



ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
FOR THE YEAR ENDING DECEMBER 31, 1958.

BOSTON, January 2, 1959.

HON. JOHN B. HYNES,
Mayor of Boston.

DEAR MR. MAYOR:

In compliance with the provisions of section 24 of chapter 3 of the Revised Ordinances of 1947, I respectfully submit the annual report of the Public Works Department and the Public Improvement Commission for the year ending December 31, 1958.

FISCAL

The total expenditures of the department for the year were \$24,091,546.44, of which \$3,283,217.68 represents water assessments levied by the Metropolitan District Commission and \$898,266.66 represents Metropolitan District Commission sewer assessments. The water assessments are \$45,479 less than those levied in 1957, and the sewer assessments are \$24,101.49 more than those levied in 1957.

The water assessment reduction is a reflection of the colder and wetter conditions prevailing in 1957 which lowered the water usage and consequently lowered our assessment payable in 1958. Under normal conditions both the water and sewer assessments tend to increase and must be anticipated.

*Boston, City messenger
April 4, 1959*

The receipts of the Water Division totaled \$6,056,-716.55, and the surplus resulting from the sale of water was \$78,924.81. The operation of the Sumner Tunnel resulted in a substantial surplus of \$924,350.77. In comparison to the record previous year, this represents a drop in surplus of \$270,235.53. This drop in revenue can be traced to the opening of the Northeast Expressway and the consequent loss of traffic to the Mystic River Bridge facility.

LOAN ORDERS

For the first time in many years, the department did not request a loan order for the construction of public ways. It was possible to refrain from a loan order request because of two factors. First, on July 26, 1957, your Honor approved a City Council order for a \$3,000,-000 appropriation for the construction of public ways. Secondly, approximately \$2,225,000 was made available to Boston under the provisions of Chapter 718 of the Acts of 1956. The total amount made available by these two provisions gave the department adequate funds for its construction needs for both 1957 and 1958, thereby eliminating any need for a loan order request for 1958.

STREET CONSTRUCTION WORK

State-Aid Program

The Chapter 90 work, which has become a vital cog in our over-all highway improvement program, was carried forward with customary concentration. We are rapidly approaching the much desired goal of having most of our main arteries thoroughly revamped to meet present-day traffic needs.

With the completion of the final link in the chain consisting of the Seaver Street-Columbus Avenue contract now under construction, we will have developed a completely remodeled, divided highway from Mattapan square to Egleston square by way of Blue Hill avenue, Seaver street, and Columbus avenue. It will have appropriate left-turn lanes, the latest in mercury vapor luminaries, and all the other adjuncts of present-day highway standards.

I submit below a schedule of Chapter 90 projects which were under construction in 1958 and the list of Chapter 90 projects which we have earmarked for 1959 consideration.

PUBLIC WORKS DEPARTMENT

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PROJECTS UNDER CONSTRUCTION IN 1958

| Project | Contractor | Bid Price | Final Contract Payment |
|--|-----------------------------------|--------------|------------------------|
| Blue Hill avenue, Dorchester: Reconstruction from Woodhaven street to Columbine street (started in 1957 and completed in 1958) | Manning Construction Company | \$248,102 00 | \$250,755 94 |
| Commonwealth avenue, Brighton: Reconstruction from Brighton avenue to Warren street (started in 1957 and completed in 1958) | Rufo Construction Company | \$238,663 72 | \$279,916 30 |
| East Broadway, South Boston: Reconstruction from Dorchester street to M street (started in 1957 and completed in 1958) | Baker & Co., Inc. | \$100,721 50 | \$100,687 81 |
| Tremont street, Brighton: Reconstruction from Oak square to Newton line (started and completed in 1958) | Chesterbrook Construction Company | \$45,100 00 | \$50,843 08 |
| River street, Hyde Park and Dorchester: Reconstruction from Wood avenue to Edgewater Drive (started and completed in 1958) | Baker & Co., Inc. | \$39,928 25 | \$45,105 62 |
| Columbus avenue, Seaver street, Roxbury and Dorchester: Reconstruction from Egleston square to Blue Hill avenue (started in 1958 to be completed in 1959) | John McCourt Company | \$215,642 50 | |

ADDITIONAL CHAPTER 90 PROJECTS SCHEDULED FOR 1959

| Project | Length |
|--|---------------------------------|
| Dorchester avenue, South Boston: Reconstruction from West Fourth street to Andrew square | 4,350 feet |
| Baker street, West Roxbury: Reconstruction from Centre street to Veterans of Foreign Wars Parkway | 6,700 feet |
| Columbus avenue, Roxbury: Reconstruction from Roxbury street to Centre street | 2,600 feet |
| Commonwealth avenue, Brighton: Reconstruction from Warren street to Chestnut Hill avenue | 5,700 feet |
| West Broadway, South Boston: Reconstruction from Dorchester avenue to Dorchester street | 4,120 feet |
| Main street, Charlestown: Reconstruction from City square to Sullivan square | 5,100 feet |
| Cambridge street, Charlestown: Reconstruction from Sullivan square to Somerville line | 2,000 feet |
| River street, Hyde Park: Reconstruction from Wood avenue to Fairmount avenue | 4,050 feet |
| Fairmount avenue, Hyde Park: Reconstruction from River street to Truman Highway | 1,400 feet |
| West street, Hyde Park: Reconstruction from River street to Hyde Park square | 1,500 feet |
| Beacon street, Boston Proper: Reconstruction from Kenmore square to Park Drive | 1,930 feet |
| Bennington street, East Boston: Reconstruction from bridge over the MTA to Revere line | 2,300 feet |
| Total | 41,750 feet or 7.9 miles |

STREET CONSTRUCTION WORK
Exclusive of Chapter 90 Projects

The report of the Division Engineer of the Highway Division lists in detail the varied highway constructions and reconstructions accomplished throughout the city along with some of the more important roadways.

The policy of replacing defective brick sidewalks with cement concrete sidewalks wherever conditions indicated the need for such improvement was somewhat curtailed due to the smaller amount of money allowed in the budget for this type of work.

The following is a summarized financial statement of the expenditures made in 1958 for highway improvements:

| | | |
|--|------------------------|---------------|
| Public Ways, Construction of (Loan Account) | \$1,939,202 | 89 |
| Public Ways, Construction of (Revenue Account) | 68,556 | 58 |
| Reconstruction of Streets (including sidewalks) | 40,494 | 70 |
| Sidewalks, Construction and reconstruction of | 142,446 | 68 |
| Expended under provisions of Ch. 718, Acts of 1956 | 608,400 | 12 |
| Total | \$2,799,100 | 97 |

The following is a summarized record of the highway improvement work done by the department in 1958:

Number of Streets Constructed or Reconstructed, 151.

This total includes 35 new streets laid out and constructed as public ways under the provisions of Chapter 393, Acts of 1906.

Streets Improved, 24.4 Miles.

This includes 4.7 miles reconstructed as Chapter 90 projects.

Sidewalks Improved, 5.3 Miles.

This item does not include sidewalks improved in the above-noted street improvements.

STREET LIGHTING

We have continued our policy of replacing inefficient gas lamps with modern electric illumination. During the year we replaced just under 400 gas lamps, leaving only about 300 out of a total of approximately 7,000 gas lamps that were in operation eight years ago. We hope to complete the gas lamp changeover during the coming year.

A detailed list of lighting installations and improvements is included in the report of the Lighting Section

of the Highway Division. This listing, plus a compilation of the total amount of modernization accomplished by relighting with modern mercury vapor lights of at least 15,000 lumens, highlights the accelerated pace of our very important street lighting modernization program.

TOTAL NUMBER OF UNITS OF MODERN MERCURY VAPOR LIGHTING ORDERED FOR PRINCIPAL STREETS.

| 15,000 lumens | 20,000 lumens |
|------------------------|------------------------|
| single units . . . 246 | single units . . . 154 |
| *twin units . . . 58 | *twin units . . . 14 |

* Twin units are used on streets having center islands or traffic divisional islands.

SNOW REMOVAL

The snow season of 1958 was highlighted by the snowstorm which began early Sunday morning on February 16 and continued with unabated fury throughout the day. It ended at approximately four o'clock on the morning of the next day, Monday, February 17.

A modern-day record accumulation for one snowstorm was run up by this storm when it left a staggering total of 19.4 inches in the city proper and as much as 22 inches in our suburban areas.

The department mustered every possible piece of city and hired equipment in order to combat this paralyzing blow and worked around the clock to restore conditions approaching normal.

As is increasingly noticeable with each storm, the parked cars greatly impeded the work of properly plowing the streets. Because of this problem of snowed-in vehicles, some of our smaller residential streets remained unplowed until we were able to haul out the offending cars.

The storm took a major portion of the total outlay of \$782,000 for snow removal work in 1958. The accumulation for the year was 49.3 inches according to the official records at the East Boston Airport weather station.

On April 11, a rather unusual storm took place that deposited an accumulation of 2 inches to 3 inches of slushy snow. With the exception of only two other

years, this was the latest date upon which we have had any appreciable amount of snow within the last twenty years.

BRIDGES

The outstanding bridge project for this year was the complete reconstruction of the Summer Street Bridge over the Reserved Channel with the exception of the drawspan proper.

This completes the last link in the modernization of Summer and L streets, which has been in progress for over a year. This has been a joint city-state Chapter 90 project and has helped considerably to smooth the traffic flow over this much used highway.

SOUTH BAY INCINERATOR

Because of several strikes and delays in deliveries of materials, the construction of the incinerator was somewhat behind schedule, but the very noticeable progress made is reflected in a comparison of the two pictures taken at the site at the beginning and end of the year.

PERSONNEL

There were 1,885 employees in the department as of December 31 as compared with 1,948 employees on the rolls on January 1, 1958.

On April 15 I assumed the office of Commissioner of Public Works, through appointment by your Honor, following the retirement of George G. Hyland who served in the position for a total of nearly fifteen years. His prior service with the city started in 1925. Mr. Hyland, because of his intimate knowledge of the department and its varied activities, gave his best efforts in all that he did, and he left a record of faithful and conscientious service not only to the Public Works Department, but to the city itself.

I attach reports from the Division Engineers relative to the activities of their divisions in 1958, together with a report of the Public Improvement Commission covering its work during the year.

Respectfully submitted,

ROBERT P. SHEA,
Commissioner of Public Works.

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MAINTENANCE APPROPRIATIONS AND EXPENDITURES

| DIVISION OR SERVICE. | Total Appropriations, Including Transfers and Amounts Carried Over from 1957. | Expenditures. | Unexpended Balance. |
|---|--|------------------------|--------------------------------|
| Central Office . . . | \$69,709 47 | \$69,709 47 | — |
| Automotive Division . . . | 763,763 55 | 710,968 16 | \$52,795 39 |
| Bridge Division . . . | 785,537 76 | 733,580 96 | 51,956 80 |
| Highway Division . . . | 1,629,197 50 | 1,565,946 61 | 63,250 89 |
| Highway Program, Chapter 718, Acts of 1956 . . . | 1,045,741 23 | 712,232 46 | 333,508 77 |
| Lighting Service . . . | 1,723,619 04 | 1,713,302 24 | 10,316 80 |
| Sanitary Service . . . | 4,938,954 29 | 4,934,719 29 | 4,235 00 |
| Sewer Division . . . | 905,614 72 | 844,047 82 | 61,566 90 |
| Sumner Tunnel . . . | 721,104 00 | 619,896 79 | 101,207 21 |
| Survey Division . . . | 94,743 04 | 94,743 04 | — |
| Water Division . . . | 2,817,504 81 | 2,255,144 79 | 562,360 02 |
| Totals . . . | \$15,495,489 41 | \$14,254,291 63 | \$1,241,197 78 |

LOANS AND SPECIAL APPROPRIATIONS

| TITLE. | Total Amount Available. | Expenditures. | Unexpended Balance. |
|---|------------------------------------|-----------------------|--------------------------------|
| Bridges, Construction of (Non-Revenue) . . . | \$899,115 73 | \$550,997 12 | \$348,118 61 |
| Construction of Buildings and Original Equipment and Furnishings Thereof (Non-Revenue) . . . | 8,661 09 | — | 8,661 09 |
| Incinerator Building, Construction and Equipping (Non-Revenue) . . . | 4,118,692 56 | 1,858,881 35 | 2,259,811 21 |
| Public Ways, Construction of (Non-Revenue) . . . | 2,254,654 34 | 1,939,202 89 | 315,451 45 |
| Public Ways, Construction of (Revenue) . . . | 74,190 92 | 68,556 58 | 5,634 34 |
| Sewerage Works (Non-Revenue) . . . | 362,267 10 | 262,187 26 | 100,079 84 |
| Snow Removal (Revenue) . . . | 840,202 36 | 782,531 23 | 57,671 13 |
| Reconstruction of Streets (Revenue) . . . | 49,502 88 | 40,494 70 | 9,008 18 |
| Sidewalks, Construction and Reconstruction of (Revenue) . . . | 190,504 71 | 142,446 68 | 48,058 03 |
| Street Signs (Revenue) . . . | 11,022 93 | 10,472 66 | 550 27 |
| Totals . . . | \$8,808,814 62 | \$5,655,770 47 | \$3,153,044 15 |

The records of the department show that there are now 1,962 persons eligible for employment in the several divisions, and of that number 1,884 were upon the January 2, 1959, payrolls.

GRADE AND NUMBER OF EMPLOYEES

| TITLE. | SERVICES. | | | | | | | | | Total. |
|---|-----------------|-------------|---------|-------------------|-----------|--------|---------|--------|---------|--------|
| | Central Office. | Automotive. | Bridge. | Highway-Lighting. | Sanitary. | Sewer. | Tunnel. | Water. | Survey. | |
| Commissioner..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Division engineers..... | ..... | ..... | 1 | 1 | 1 | 1 | ..... | 1 | 1 | 6 |
| Chief highway engineer..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | 1 |
| Director of transportation..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Associate civil engineer..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Assistant division engineer..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | 1 |
| Superintendents and assistants..... | ..... | 1 | ..... | 3 | 2 | 1 | 1 | 2 | ..... | 10 |
| District supervisors..... | ..... | ..... | ..... | ..... | 12 | ..... | ..... | ..... | ..... | 12 |
| Supervisors and assistants..... | 1 | 2 | 1 | 2 | 2 | ..... | ..... | 2 | ..... | 10 |
| Principal senior and assistant civil engineers..... | 1 | ..... | 8 | 14 | ..... | 20 | ..... | 4 | 11 | 58 |
| Junior civil engineers..... | ..... | ..... | 4 | 6 | ..... | 3 | ..... | 1 | 6 | 20 |
| Senior engineering aids..... | ..... | ..... | ..... | 7 | ..... | 4 | ..... | 2 | 5 | 18 |
| Junior engineering aids..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | 1 |
| Senior public relations representative..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | 1 |
| Automotive and senior electrical engineers..... | ..... | ..... | ..... | 1 | ..... | ..... | 2 | ..... | ..... | 3 |
| Assistant electrical engineers..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | 1 |
| Chief pumping station engineer..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | 1 |
| Pumping station engineers and stationary engineers..... | ..... | ..... | ..... | ..... | ..... | 4 | ..... | ..... | ..... | 4 |
| General foreman..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| District foremen..... | ..... | ..... | ..... | 11 | 6 | 5 | ..... | 5 | ..... | 27 |
| Other foremen..... | 11 | 1 | ..... | 3 | 1 | 2 | 3 | ..... | ..... | 21 |
| Chief inspectors..... | ..... | ..... | ..... | 1 | ..... | 2 | ..... | ..... | ..... | 3 |
| Inspectors..... | ..... | 1 | 2 | 62 | 62 | 16 | 1 | 20 | ..... | 164 |
| Legal assistant..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | 1 |
| Chief electrician..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | 1 |
| Electrician operators..... | ..... | ..... | ..... | 1 | ..... | 2 | 13 | ..... | ..... | 16 |
| <i>Carried forward.....</i> | 4 | 17 | 17 | 113 | 89 | 60 | 20 | 41 | 23 | 384 |

GRADE AND NUMBER OF EMPLOYEES — Continued

| Title. | SERVICES. | | | | | | | | | Total. |
|---|-----------------|-------------|---------|-------------------|-----------|--------|---------|--------|---------|--------|
| | Central Office. | Automotive. | Bridge. | Highway-Lighting. | Sanitary. | Sewer. | Tunnel. | Water. | Survey. | |
| Brought forward..... | 4 | 17 | 17 | 113 | 89 | 60 | 20 | 41 | 23 | 384 |
| Executive secretary, P. W. D..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Executive secretary and assistants..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 | 2 |
| Senior personnel officer and assistant..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 |
| Head administrative clerks..... | ..... | ..... | 1 | ..... | 1 | ..... | ..... | ..... | ..... | 2 |
| Head clerks..... | 1 | 1 | 1 | 1 | 1 | 1 | ..... | 3 | 1 | 9 |
| Principal clerk and secretary..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Principal clerks, stenographers, account clerks, etc..... | 1 | 2 | 3 | 11 | 3 | 4 | 2 | 7 | 1 | 34 |
| Technical clerk..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | 1 |
| Senior clerks, typists, stenographers, etc..... | 2 | 1 | ..... | 4 | 2 | 2 | 1 | 33 | 3 | 51 |
| Clerk-stenographers, clerks, typists..... | 1 | ..... | ..... | 1 | ..... | ..... | 14 | ..... | ..... | 16 |
| Telephone operators..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 | ..... | 3 |
| Head cashier..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | 1 |
| Senior cashier and cashiers..... | ..... | ..... | 1 | ..... | ..... | 2 | 1 | ..... | ..... | 4 |
| Principal storekeepers..... | 1 | ..... | ..... | 1 | ..... | ..... | 1 | ..... | ..... | 3 |
| Senior storekeeper and storekeepers..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 |
| Chief water meter reader..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | 1 |
| Supervisor and special water meter readers..... | ..... | ..... | ..... | ..... | ..... | ..... | 5 | ..... | ..... | 5 |
| Water meter readers and clerks..... | ..... | ..... | ..... | ..... | ..... | ..... | 30 | ..... | ..... | 30 |
| Sergeant tollmen guards..... | ..... | ..... | ..... | ..... | ..... | 5 | ..... | ..... | ..... | 5 |
| Tollmen guards..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 | ..... | ..... | 45 |
| Supervisor, mobile guard..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Sergeants, mobile guard..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 |
| Mobile guards..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7 |
| Drawtenders and assistants..... | ..... | 100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 |
| Analytical chemist..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 |
| Chief and senior investigators..... | ..... | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 2 |
| Estimators and investigators..... | ..... | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | 7 |
| Dispatcher..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Plumbers..... | ..... | ..... | ..... | ..... | ..... | ..... | 19 | ..... | ..... | 19 |
| Head photostat operator..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | 1 |
| Carried forward..... | 11 | 40 | 121 | 110 | 97 | 68 | 76 | 159 | 31 | 743 |

GRADE AND NUMBER OF EMPLOYEES — Concluded

| TITLE. | SERVICES. | | | | | | | | | |
|--|--------------------|-------------|---------|-----------------------|-----------|--------|---------|--------|---------|--------|
| | Central Office. | Automotive. | Bridge. | Highway- Lighting. | Sanitary. | Sewer. | Tunnel. | Water. | Survey. | Total. |
| Brought forward | 11 | 40 | 121 | 140 | 97 | 68 | 76 | 159 | 31 | 743 |
| Photostat operators | | | | | | 1 | | | 1 | 2 |
| Photographer | | | | | | | | | 1 | 1 |
| Sewer gatemen | | | | | | 5 | | | | 5 |
| Yardmasters and yardmen | | | 1 | 2 | | 2 | | 7 | | 12 |
| Road roller operators | | | | 1 | | | | | | 1 |
| Working foremen | 2 | 3 | 1 | 3 | 8 | 2 | 19 | | | 38 |
| Sewage screen operator | | | | | | 1 | | | | 1 |
| Firemen and oilers | | | | | | 10 | | | | 10 |
| Steamfitters | | | | 1 | | | | | | 1 |
| Repairmen and maintenancemen | 31 | 1 | 2 | 1 | 8 | 1 | 78 | | | 122 |
| Crane operator | | | | | | | | 1 | | 1 |
| Maintenance mechanics and helpers, etc. | | 1 | 1 | 7 | | | | 20 | | 29 |
| Carpenters and helpers | | 11 | | 7 | 1 | | | 1 | | 20 |
| Welders | 3 | | | 1 | | | | | | 4 |
| Painters | 1 | 2 | 2 | 3 | | | 1 | | | 9 |
| Pavers | | | 43 | | | | | 1 | | 44 |
| Blacksmiths and helpers | | | | 1 | 18 | | | | | 19 |
| Bricklayers | | | | | 1 | 4 | | 1 | | 6 |
| Sewer cleaners | | | | | | 10 | | | | 10 |
| Catch-basin machine operators | | | | | | 9 | | | | 9 |
| Heavy motor equipment operators | 3 | | 19 | 61 | 1 | 12 | 18 | | | 114 |
| Motor equipment operators | 3 | 5 | 43 | 106 | 25 | | | 27 | | 209 |
| Junior building custodian | | | | | | | | | | 0 |
| Garage attendants | 16 | | | | | | 1 | | | 17 |
| Laborers | 6 | 3 | 85 | 297 | 12 | 7 | 39 | | | 449 |
| Constables | | | | 1 | 5 | | | 3 | | 9 |
| Totals | 11 | 105 | 148 | 342 | 607 | 165 | 100 | 374 | 33 | 1885 |

PUBLIC WORKS DEPARTMENT

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NUMBER OF EMPLOYEES ACTUALLY EMPLOYED
JANUARY 1, 1958, AND JANUARY 1, 1959

| | Survey | Tunnel | Central Office. | Bridge | Water | Paving and Lighting | Sanitary, Street Cleaning | Sewer | Automotive | Total |
|----------------------|--------|--------|-----------------|--------|-------|---------------------|---------------------------|-------|------------|-------|
| January 1, 1958..... | 35 | 102 | 11 | 165 | 366 | 352 | 632 | 175 | 110 | 1,948 |
| January 1, 1959..... | 33 | 100 | 11 | 148 | 374 | 342 | 607 | 165 | 105 | 1,885 |

Total Eligible Force

| | | | | | | | | | | |
|----------------------|----|-----|----|-----|-----|-----|-----|-----|-----|-------|
| January 1, 1958..... | 41 | 105 | 12 | 166 | 403 | 379 | 635 | 177 | 117 | 2,035 |
| January 1, 1959..... | 39 | 108 | 11 | 156 | 393 | 353 | 621 | 171 | 110 | 1,962 |

APPOINTMENTS, TRANSFERS, RESIGNATIONS, RETIREMENTS, DEATHS, ETC., OF EMPLOYEES

| Died | Retired. | Transferred to Other Departments | | Transferred to Other Services | | January 1, 1958 | SERVICES 1958-1959 | January 1, 1959 | Transferred from Other Services | | Reinstated | Appointed |
|------|----------|----------------------------------|-------------------------------|-------------------------------|------------|-----------------|-----------------------|-----------------|---------------------------------|------------------------------------|------------|-----------|
| | | Transferred to Other Departments | Transferred to Other Services | Resigned | Discharged | | | | Transferred from Other Services | Transferred from Other Departments | | |
| .... | 1 | ..... | ..... | ..... | .... | 11 | Central Office.... | 11 | ..... | ..... | ..... | 1 |
| 3 | 8 | ..... | ..... | ..... | 2 | 110 | Automotive..... | 105 | 2 | 2 | 1 | 3 |
| 5 | 8 | 2 | 3 | .... | 2 | 165 | Bridge..... | 148 | 1 | ..... | ..... | 2 |
| 4 | 9 | 2 | 4 | 3 | 7 | 352 | Highway..... | 342 | 3 | 4 | 4 | 8 |
| 11 | 35 | 1 | 5 | 1 | 13 | 632 | Sanitary..... | 607 | 8 | 6 | 3 | 24 |
| 2 | 10 | 1 | 1 | 3 | 3 | 175 | Sewer..... | 165 | 1 | ..... | 2 | 7 |
| .... | 1 | 1 | ..... | ..... | .... | 35 | Survey..... | 33 | ..... | ..... | ..... | ..... |
| 2 | 3 | ..... | 1 | .... | 3 | 102 | Tunnel..... | 100 | 2 | 1 | 1 | 3 |
| 6 | 9 | 1 | 2 | 4 | 13 | 366 | Water..... | 374 | 1 | 3 | 3 | 36 |
| 33 | 84 | 8 | 16 | 11 | 43 | 1,948 | Totals..... | 1,885 | 18 | 16 | 14 | 84 |

APPENDIX A

REPORT OF THE AUTOMOTIVE DIVISION

BOSTON, January 2, 1959.

To the Commissioner of Public Works.

DEAR SIR:

I am submitting herewith the annual report of the Automotive Division of the Public Works Department for the year ending December 31, 1958. This report covers the activities of the five garages, the Mobile Guard Section, and the Motor Pool.

The quota of employees assigned to the Automotive Division for 1958 was 116 employees, assigned to the following duties: 1 chief automotive engineer in charge of the division; 9 clerical employees; 1 dispatcher in charge of the Motor Pool; 4 employees assigned to the stockroom; 3 employees assigned to wreckers; 41 employees assigned to repair work; 38 employees assigned to maintenance of buildings, gasoline and oil dispensing, cleaning, and watchmen's duties, and motor vehicle operation; and 19 employees assigned to the Mobile Guard Section which maintains a watch over Public Works Department property and equipment between the hours of 4 P.M., and 8 A.M. weekdays, and all day Saturdays, Sundays, and holidays. Due to retirements, etc., there were 107 employees on the payroll at the end of 1958.

The office maintained by the division at City Hall processed 1,799 requisitions in 1958, of which 1,141 were service orders, and 658 were purchase orders. A petty cash fund of \$300 was used to make about 100 purchases a month, usually under \$3 each. The City Hall office reports the following expenditures from the 1958 appropriation.

| | |
|---------------------------------------|---------------------|
| Personal services | \$438,399 00 |
| Contractual services | 57,980 00 |
| Materials and supplies | 164,660 00 |
| Rents and registration fees | 10,146 00 |
| Purchase of new equipment | 73,335 00 |
| <hr/> | |
| | <u>\$744,520 00</u> |

The following equipment was purchased in 1958 from budget appropriations:

For the Water Division:

One Ford 2-ton platform truck, and one Chicago pneumatic air compressor

Two Ford 1-ton trucks, one emergency, and one meter

Three Ford 2-ton trucks for mounting air compressors

One Ford 2-ton truck with Gar Wood crane

Two Ford 2-ton dump trucks

One Ford sedan

One Rambler sedan

For the Sanitary Division:

Two Wayne street sweepers

For the Sewer Division:

One Ford 2-ton chassis and cowl for 7-man cab emergency truck

One Rambler sedan

For the Highway Division:

Two International Carryalls, for engineers

One GMC Suburban, for engineers

The department's fleet of 483 units of automotive equipment under the supervision of this division consists of 82 sedans and other vehicles used for transportation purposes, and 265 trucks of various sizes, including 36 snowfighters, 10 compressors, 4 catch-basin cleaners, 34 pickup trucks, 119 dump trucks, 6 wreckers, 6 flushers, 3 derrick trucks, 2 lumber trucks, 1 rack truck, 3 platform trucks, 32 emergency trucks, and 9 miscellaneous trucks. There are 26 street sweepers, 11 road rollers, 7 snow and bucket loaders, 19 front bucket loaders, 2 tractor shovels, 4 crawler tractors, 1 grader, 3 trailer compressors, and 63 miscellaneous pieces. There are 436 of these units registered under the motor vehicle law of the Commonwealth.

The repair shop at the Highland Street garage performed approximately 12,000 repair jobs in 1958, including tire repairs and lubrication check-ups. Six thousand repair work orders were made out by the motor equipment repairmen. Contracts in the amount of \$12,000 and \$5,000 were issued for the respective repair of Walter snowfighters and F. W. D. trucks.

The Mobile Guard and the Motor Pool operated in a satisfactory manner during 1958. The Motor Pool consists of one dispatcher and eight drivers (one from the Automotive Division). The dispatcher makes all assignments to the drivers, and also has charge of the

short-wave radio. Within the Public Works Department are 44 cars equipped with two-way radios. The Motor Pool assignments outside the Public Works Department consist of the following:

Institutions Department — Conveying patients to Tewksbury and Long Island, and children to various homes.

Purchasing Department — Conveying inspectors to sources of supplies.

Public Library — Checking distant libraries.

Election Department — Conveying voting machine officials and work on election days.

Assessing Department, Printing Department, Public Celebrations, Collector's Office, Mayor's Office, Real Estate Division, City Planning Board — Various assignments.

The Mobile Guard Section, with 17 men and 3 vehicles, patrols the city, protecting Public Works Department property. The guards inspect all yards and, at each location, punch a Detex time clock. Watchmen are permanently stationed on locations where experience has shown that it is advisable to have a man present at all times to protect city property.

A survey of the Albany Street garage was made late in 1958 by the Thompson & Lichtner Company. They recommend that extensive repairs be made to this plant and the sum of \$60,000 has been requested in the 1959 budget for this purpose.

VEHICLE ACCIDENT BREAKDOWN 1950 THROUGH 1958

| YEAR | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year's Total |
|------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------------|
| 1950 | 23 | 31 | 21 | 22 | 13 | 18 | 3 | 13 | 19 | 15 | 19 | 20 | 217 |
| 1951 | 32 | 28 | 24 | 11 | 24 | 21 | 11 | 14 | 14 | 16 | 17 | 28 | 240 |
| 1952 | 33 | 57 | 17 | 11 | 18 | 12 | 12 | 20 | 16 | 19 | 12 | 21 | 248 |
| 1953 | 24 | 29 | 24 | 17 | 18 | 21 | 19 | 9 | 21 | 16 | 14 | 9 | 221 |
| 1954 | 42 | 10 | 13 | 13 | 11 | 10 | 15 | 14 | 20 | 8 | 11 | 24 | 191 |
| 1955 | 21 | 15 | 21 | 10 | 12 | 13 | 5 | 16 | 14 | 7 | 17 | 12 | 163 |
| 1956 | 21 | 26 | 46 | 20 | 7 | 12 | 6 | 13 | 8 | 11 | 15 | 12 | 197 |
| 1957 | 38 | 13 | 11 | 9 | 15 | 16 | 15 | 11 | 12 | 9 | 8 | 9 | 166 |
| 1958 | 28 | 39 | 10 | 7 | 7 | 11 | 15 | 13 | 10 | 10 | 7 | 14 | 171 |

The Mayor's Automotive Advisory Committee and Accident Review Board were established in 1952.

TIMOTHY J. O'LEARY,
Director of Transportation.

APPENDIX B

REPORT OF THE DIVISION ENGINEER OF
THE BRIDGE DIVISION.

BOSTON, January 2, 1959.

To the Commissioner of Public Works.

DEAR SIR:

Submitted herewith is the annual report of the Bridge Division, covering the income, expenditures, and operation of the Bridge Service and the Sumner Tunnel for the year ending December 31, 1958.

Respectfully,

JOHN J. McCALL,
Division Engineer,
Bridge Division.

I. BRIDGE SERVICE

SUMMARY OF BUDGET APPROPRIATIONS AND EXPENDITURES

| | Regular Appropriation | Bridges, Repairs, etc. | BRIDGES, CONSTRUCTION OF | |
|----------------------------|-----------------------|------------------------|--------------------------|----------------|
| | | | Revenue | Non-Revenue |
| Balance from 1957..... | \$1,745 00 | \$60,202 01 | \$27,325 65 | \$3,261,214 89 |
| 1958 Appropriation..... | 679,499 00 | 40,000 00 | — | — |
| From Bridge Revenue.. | 9,000 00 | | | |
| Total Credits..... | \$690,244 00 | \$100,202 01 | \$27,325 65 | \$3,261,214 89 |
| Transfers from..... | \$20,930 26 | — | \$11,303 64 | — |
| Enbumbrances..... | \$669,313 74 | \$80,220 82 | \$11,865 15 | \$1,059,839 80 |
| Total Debits..... | \$690,244 00 | \$80,220 82 | \$23,168 79 | \$1,059,839 80 |
| Unencumbered Balances..... | — | \$19,981 19 | \$4,156 86 | \$2,201,375 09 |

DETAILS OF EXPENDITURES ON TIDEWATER BRIDGES

TIDEWATER BRIDGES — 1958

| Bridge | Draw-tenders' Salaries | Mechanics' Wages | Material | Repair Bills | Supplies, Utilities, Etc. | Total |
|-------------------------|------------------------|------------------|------------|--------------|---------------------------|--------------|
| *Broadway..... | \$12,913 38 | \$3,670 01 | \$278 12 | \$240 32 | \$274 43 | \$17,376 26 |
| Charlestown..... | 48,681 26 | 3,954 53 | — | 433 62 | 2,820 65 | 55,890 06 |
| Chelsea Street..... | 58,385 66 | 4,670 20 | 211 48 | 864 55 | 679 02 | 64,810 91 |
| Congress Street..... | 41,430 95 | 2,860 19 | 145 82 | 696 33 | 534 17 | 45,667 46 |
| Malden..... | 56,625 08 | 4,143 30 | 232 36 | 1,419 00 | 915 99 | 63,335 73 |
| Andrew P. McArdle.... | 59,748 21 | 3,046 14 | 63 00 | 3,096 81 | 2,178 67 | 68,132 83 |
| Northern Avenue..... | 59,118 82 | 4,717 48 | 767 35 | 862 43 | 3,104 18 | 68,570 26 |
| Summer Street (Ft. Pt.) | 42,128 08 | 6,908 89 | 673 56 | 1,572 10 | 531 10 | 51,813 73 |
| Summer Street (L St.) | 40,953 70 | 6,773 68 | 557 48 | 1,165 18 | 691 34 | 50,141 38 |
| Totals..... | \$419,985 14 | \$40,744 42 | \$2,929 17 | \$10,350 34 | \$11,729 55 | \$485,738 62 |

* Not operating as drawbridge but kept in operable condition for possible use during construction of Fitzgerald Expressway in Fort Point Channel area.

WATERBORNE TRAFFIC THROUGH DRAWBRIDGES — 1958

| BRIDGE | Steamers | Tugs | Barges | Pleasure Craft | All Others | Total Vessels | Total Cargoes | Total Openings |
|--|----------|--------|--------|----------------|------------|---------------|---------------|----------------|
| Charlestown* | 0 | 0 | 7 | 0 | 0 | 7 | 1 | 7 |
| Chelsea Street..... | 404 | 4,663 | 1,788 | 0 | 564 | 7,419 | 1,254 | 3,462 |
| Congress Street..... | 76 | 685 | 171 | 8 | 92 | 1,032 | 152 | 516 |
| Malden..... | 59 | 402 | 399 | 720 | 92 | 1,672 | 252 | 1,334 |
| McArdle..... | 590 | 5,892 | 1,808 | 0 | 827 | 9,117 | 1,332 | 4,134 |
| Northern Avenue..... | 76 | 2,909 | 230 | 0 | 1,664 | 4,879 | 736 | 2,351 |
| Summer Street (Fort Point Channel) | 76 | 656 | 202 | 0 | 35 | 969 | 151 | 468 |
| Summer Street (Reserved Channel) | 0 | 116 | 189 | 174 | 13 | 492 | 78 | 385 |
| Totals | 1,281 | 15,323 | 4,794 | 902 | 3,287 | 25,587 | 3,956 | 12,657 |

* Openings restricted due to reconstruction.

Throughout the year 1958 the status and condition of the city's ten drawbridge facilities remained practically unchanged from the previous year, and are specifically described as follows:

1. OVER FORT POINT CHANNEL

Dover Street Bridge: On June 3, 1958, this bridge was permanently closed to all highway traffic. Prior to that, it had been closed to waterborne traffic since May 13, 1955.

As of this writing, the Massachusetts Department of Public Works has executed a contract for the complete removal of the bridge superstructure and its replacement with a solid fill causeway, with culvert facilities to be installed to accommodate tidal flow.

Under this contract, which has been executed under the provisions of Section 34, Chapter 90, of the General Laws, the city will pay one half the cost, estimated to total \$553,711, based on the low bid for the work.

Related to this project is the construction of a trestle upstream from the bridge, necessary to carry the relocated water mains and other utilities as required by the replacement of the bridge. The trestle project, of necessity, is being executed in connection with the completion of the Fitzgerald Expressway in that area; and under an agreement with the Commonwealth, the city will assume one half the cost of the trestle project in an amount not to exceed \$60,000.00.

Broadway Bridge: This bridge has not operated as a drawbridge since May 13, 1955, but has been kept in operable condition against the possible necessity of making openings to accommodate the movements of waterborne equipment in connection with the construction of the expressway project upstream of the bridge.

It is expected that in the coming year it will be possible to exclude this possibility, and then fix the ends of the draw, remove the drawhouse, fender piers, machinery, etc. The bridge is in good condition.

Summer Street, Congress Street, and Northern Avenue Bridges: These three bridges are fully operating. At the present time, it is expected that the American Sugar Refinery will be relocated at the Mystic River sometime in 1960, at which time the Summer Street and Congress Street Bridges need no longer be operated.

The rebuilding of the Summer Street Bridge should proceed at that time, and new studies are being initiated to investigate the possibility of a solid fill replacement of the bridge.

The Congress Street Bridge is in good condition.

The Northern Avenue Bridge is operating satisfactorily, but is in need of replacement structurally. It is hoped that the possibility of closing the entire channel to navigation in the near future will permit a solid fill replacement of this bridge.

2. OVER RESERVED CHANNEL

Summer Street Bridge (Formerly L Street): This bridge has been undergoing major repairs during 1958. The entire South Boston approach trestle has been rebuilt; and the longer Boston approach has been repaired on the underside by renewing pile bracings and encasing defective piles with concrete. The entire surface of both approaches will be repaved.

It is expected that this project will be completed before the end of the year.

The work has been accomplished under a Chapter 90 project, with the city assuming 40 per cent of the total cost and the Commonwealth the remainder. The total estimated cost is \$271,000.

The drawspan of this bridge, although in need of major repairs or replacement, was purposely excluded from the work because of the strong possibility that the movable span could be replaced by a fixed span at a much lower cost, due to the fact that the volume of commercial waterborne traffic above the bridge has declined to the point where closing of the draw would be justified.

3. OVER CHARLES RIVER

Charlestown Bridge: The work of reconstructing the approach spans and drawspan of this bridge has been completed except for minor details relating to the operating system of the drawspan.

In connection with this project, which included complete removal of the steel floor systems, new concrete and steel decks, a new operating system for the drawspan and related steel repairs, etc., it was necessary to close the draw to waterborne traffic until the span was restored to full operation.

Accordingly, the drawspan was so closed on May 1, 1957, and it was intended to have the bridge operating before the end of that year.

However, because of the inherent structural and mechanical problems involved in operating this span, and the danger of seriously interrupting the elevated train service of the M.T.A. which crosses this bridge, the bridge has not yet been restored to operation.

Furthermore, the decline of waterborne traffic passing through the draw of this bridge makes it justifiable to close the span permanently to navigation except for vessels that can pass under the span.

Accordingly, a petition has been filed with the United States Engineers for permission to convert the movable span to a fixed span, thereby eliminating a source of interruption and delay to transit and highway traffic, and, in addition, making possible an annual saving of approximately \$100,000 for maintaining and operating the movable span.

4. OVER CHELSEA RIVER

Andrew P. McArdle and Chelsea Street Bridges: Both of these bridges are fully operating and in good condition.

5. OVER MYSTIC RIVER

Malden Bridge (Alford Street): This bridge is fully operating. The structure has been in very poor condition structurally for some years, requiring rather continuous maintenance and repairs.

Under an agreement with the Commonwealth, the Massachusetts Department of Public Works has scheduled the rebuilding of this bridge at an estimated cost of \$4,000,000, with the Commonwealth assuming the full cost; it being understood that, on completion, the bridge will revert to the City of Boston for operation and maintenance.

At the present time, the State Department has engaged a consulting firm of engineers to draw up plans and specifications for the new bridge, and it is expected that the project will be started in the latter part of 1959.

6. INLAND BRIDGES

This division is concerned with the maintenance of 79 inland bridges, including 14 footbridges, as indicated in the following breakdown:

| | |
|--|----|
| Maintained entirely by this department | 48 |
| Maintained jointly with New Haven Railroad | 15 |
| Maintained jointly with Boston & Albany Railroad | 10 |
| Maintained jointly with Boston & Main Railroad | 1 |
| Maintained jointly with M. T. A. | 1 |
| Maintained jointly with Town of Winthrop | 1 |
| Maintained jointly with Town of Milton | 2 |
| Maintained jointly with Town of Watertown | 1 |
| Total | 79 |

With few exceptions, the inland bridges are in fair condition. Certain necessary major improvements, involving the bridges over the Boston & Albany Railroad have been deferred, as previously reported, due to the proposed extension of the Massachusetts Turnpike into Boston; which development would automatically require rebuilding most, if not all, of these bridges.

However, because of the extreme need of immediate repairs to two of the bridges over the Boston & Albany Railroad, namely the Broadway and Boylston Street bridges, contracts for renewing the decks have been awarded as described hereinafter.

MAJOR CONSTRUCTION WORK AND REPAIRS

Deck Repairs to the Broadway Bridge over the Boston & Albany Railroad: Due to the extremely defective condition of the bridge deck, a contract was entered into with John J. Botti to make the necessary repairs.

Because of very heavy vehicular traffic on normal work days, all work had to be done on week ends, when the area to be repaired was closed to traffic.

The roadways were stripped of all asphalt plank wearing surface; defective stringers and underplank renewed; and a new spruce plank wearing surface installed.

Work commenced May 10, 1958, and was completed June 3, 1958, at a cost of \$15,100.

The structural condition of this bridge is such that it was considered advisable to close the bridge to all heavy trucking. This was done on May 27, 1958.

Deck Repairs to the Sprague Street Bridge over the New York, New Haven & Hartford Railroad: A contract in the amount of \$12,345 was entered into with the Albert C. Graglia Company, Inc., to make repairs to the deck of this bridge.

This work consisted of replacing approximately 25 per cent of the deck planking, and laying a new wearing surface of bituminous concrete.

However, when the deck was uncovered it was found that all the underplank was defective to the extent that complete renewal was necessary, and, accordingly, the original contract was amended to cover the additional cost.

The work commenced June 23, 1958, and was completed October 10, 1958, at a cost of \$28,979.11.

Deck Repairs to the Boylston Street Bridge over the Boston & Albany Railroad: Bids were received August 6, 1958, for repairs to the deck of this bridge. The repairs include replacing defective stringers, renewing the entire underdeck and placing a new bituminous concrete wearing surface.

Due to the contractor's inability to obtain early deliveries of lumber, the start of this project has been tentatively postponed until early in 1959.

The contract was awarded to the Martin J. Kelly Company, Inc., in the amount of \$22,255.

OTHER WORK ACCOMPLISHED UNDER CONTRACT BY THE BRIDGE DIVISION DURING 1958

| WORK | COST | CONTRACTOR |
|---|------------|---------------|
| Resurfacing Southampton Street Bridge over the New York, New Haven & Hartford Railroad..... | \$1,238 00 | John J. Botti |
| Deck repairs to Central Avenue Bridge over the Neponset River..... | 2,936 00 | John J. Botti |

WORK FOR OTHER DEPARTMENTS

Demolition of the Piers at North End Park. In connection with the program of the Mayor's Waterfront Rehabilitation Committee, this office prepared plans and specifications for the subject work, and a contract for the same was awarded by the Massachusetts Department of Public Works under Chapter 91 of the General Laws, in the amount of \$20,900. The cost will be shared equally by the Commonwealth and the city.

YARD FORCES

The maintenance force of the Bridge Service is utilized in various repair operations of both emergency and routine nature in repairs to bridge roadway decking, sidewalks, fender piers, retractile bridge tracks, stairways, railings, and pertinent facilities.

Other work consists of placing and removing barricades and traffic control signs necessary when bridge repairs involve interference with traffic; also cleaning bridge sidewalks and stairways of ice and snow.

SUMNER TUNNEL

Under the terms of Chapter 598 of the Acts of 1958, the ownership, operation, and maintenance of the Sumner Tunnel will transfer to the Massachusetts Turnpike Authority, at such time as the Authority may determine, after the issuance of bonds to provide for the construction of a new tunnel and the acquisition of the existing tunnel.

It is expected that the actual transfer of title will take place about April, 1959.

The total traffic for the year of 1958 amounted to 11,721,627 vehicles. This is a decrease of 1,175,097 from the previous year of 1957 when 12,896,724 automobiles used the Sumner Tunnel.

The decrease in traffic is attributed to the completion of the Northeast Expressway facilities by the Massachusetts Department of Public Works, which resulted in a natural deflection of traffic from the tunnel to the Mystic River Bridge.

However, the anticipated net result of traffic volume loss for this reason is around 9 per cent, which is considerably less loss than was generally estimated.

All of the electrical and mechanical equipment used in the daily operation of the tunnel is in good condition, and under a constant maintenance schedule. Any repairs or adjustments required are made as needed.

The toll collecting equipment, including all toll registers, key boxes, and treadles, are under constant supervision, and any replacements, repairs, or adjustments are made as required.

All other buildings, structures, automotive equipment, etc., belonging to the Sumner Tunnel are in first-class condition and no immediate repairs are anticipated.

CONTRACTS AWARDED IN 1958

1. Gas Water Heater

Invitation bids were sent to several plumbing contractors and awarded to the J. McCusker Company, the lowest bidder, for the amount of \$660, to replace a defective gas water heater in the basement of the Administration Building.

2. Incline Walls and Portals

Specifications were written and a contract awarded to the lowest bidder, F. C. Dolan & Sons, Inc., for the amount of \$5,035, to repair, point, and clean the Boston and East Boston incline walls and the granite facing on the two portals.

3. Treadle Frames

Specifications were written and a contract awarded to the low bidder, Rossano Construction Company, for the amount of \$1,860, to remove old treadle frames and install new frames on the Boston and East Boston plazas.

4. Exhaust Air Duct and Fan Rooms

Specifications were written and a contract awarded to the low bidder, F. C. Dolan & Sons, Inc., for the amount of \$2,275, to clean exhaust air duct, fresh air duct, and exhaust fan rooms.

5. Administration Building Sidewalk

Specifications were written and a contract awarded to the low bidder, John J. Botti Company, for the amount of \$1,430, to remove the old sidewalk around the Tunnel Administration Building, resetting old edgestone, furnishing new edgestone and granolithic sidewalk.

6. Cleaning Surface Drainage System

Specifications were written and a contract awarded to the low bidder, James A. Freaney Company, for the amount of \$2,080, to clean the surface drainage system of the Sumner Tunnel.

SUMMARY OF 1958 TRAFFIC BY CLASSIFICATIONS

| Class | Toll | DESCRIPTION | No. of Vehicles |
|-------------------------|--------|---|-----------------|
| 1. | \$0 20 | Truck not in excess of 2 tons capacity. | |
| | | Tractor without trailer | 371,387 |
| 2. | 0 20 | Passenger car | 11,079,669 |
| 3. | 0 20 | Motorecycle | 4,448 |
| 4. | 0 25 | Truck over 2 tons and up to 5 tons capacity. | |
| | | Tractor with trailer over 2 tons and up to 5 tons capacity | 53,192 |
| 5. | 0 20 | Passenger car with trailer | 19,507 |
| 6. | 0 35 | Truck over 5 tons and up to 10 tons capacity. | |
| | | Tractor with trailer over 5 tons and up to 10 tons capacity | 18,639 |
| 7. | 0 20 | Tractor with trailer not in excess of 2 tons capacity. | 1,710 |
| 8. | 1 00 | Truck over 10 tons capacity | 1,506 |
| 9. | 0 35 | Buses | 3,407 |
| * | | Reserved lane | 168,162 |
| Total Traffic | | | 11,721,627 |

* M. T. A. and Eastern Massachusetts Railway buses included in this classification.
7,220 M. T. A. and 67,474 Eastern Massachusetts Railway buses at 35 cents included in this total.

COMPARATIVE 5-YEAR SUMMARY OF OPERATION, FROM 1954 TO 1958, INCLUSIVE

| | 1954 | 1955 | 1956 | 1957 | 1958 |
|----------------------------|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| Vehicular Traffic: | | | | | |
| Total number vehicles..... | 11,080,966 | 12,096,107 | 12,736,726 | 12,896,724 | 11,721,627 |
| Monthly average..... | 923,414 | 1,007,842 | 1,061,394 | 1,074,727 | 976,802 |
| Weekly average..... | 212,513 | 231,945 | 244,552 | 248,014 | 225,416 |
| Daily average..... | 30,359 | 33,135 | 34,800 | 35,333 | 32,114 |
| Power Consumption: | | | | | |
| Total kilowatts..... | 4,527,315 | 5,236,214 | 5,614,061 | 6,079,026 | 5,781,067 |
| Financial Results: | | | | | |
| Operating expenditure..... | \$595,127 07 | \$628,706 30 | \$649,869 99 | \$674,924 42 | \$664,287 92 |
| Balance to next year..... | 3,925 18 | 6,188 73 | 28,924 02 | 374 00 | 932 06 |
| Interest requirements..... | 740,213 05 | 760,100 00 | 743,991 37 | 748,762 50 | 755,646 25 |
| Refunded tolls..... | 122 85 | 98 60 | — | 1 80 | 2 00 |
| Total Expenses..... | \$1,339,388 15 | \$1,395,093 63 | \$1,422,785 38 | \$1,424,062 72 | \$1,420,868 23 |
| Receipts..... | \$2,224,195 00 | \$2,413,231 59 | \$2,550,125 00 | \$2,589,725 00 | \$2,344,845 00 |
| Balance from previous year | 16,591 87 | 3,925 18 | 6,188 73 | 28,924 02 | 374 00 |
| Total Receipts..... | \$2,240,786 87 | \$2,417,156 77 | \$2,556,313 73 | \$2,618,649 02 | \$2,345,219 00 |
| Net Result..... | \$901,398 72 (Excess) | \$1,022,063 14 (Excess) | \$1,133,528 35 (Excess) | \$1,194,586 30 (Excess) | \$924,350 77 (Excess) |

APPENDIX C

REPORT OF THE DIVISION ENGINEER OF
THE HIGHWAY DIVISION

BOSTON, January 2, 1959.

To the Commissioner of Public Works.

DEAR SIR:

The following report of the income, expenditures, and operation of the Highway Division of the Public Works Department is hereby submitted for the year ending December 31, 1958.

Respectfully submitted,

RUTHFORD J. KELLEY,
Division Engineer, Highway Division.

HIGHWAY DIVISION

PAVING SERVICE
SUMMARY OF BUDGET APPROPRIATIONS

| APPROPRIATION | Total Credits | Expenditures | Balance Unexpended |
|---|----------------|----------------|--------------------|
| Paving Service..... | \$1,629,197 50 | \$1,565,946 61 | \$63,250 89 |
| Reconstruction of Streets..... | 49,502 88 | 40,494 70 | 9,008 18 |
| Public Ways, Construction of (Revenue).... | 74,190 92 | 68,556 58 | 5,634 34 |
| Public Ways, Construction of (Non-Revenue) | 3,754,654 34 | 1,939,202 89 | 1,815,451 45 |
| Sidewalks, Construction and Reconstruction of | 190,504 71 | 142,446 68 | 48,058 03 |
| Street Signs..... | 11,022 93 | 10,472 66 | 550 27 |
| Snow Removal..... | 840,202 36 | 782,531 23 | 57,671 13 |
| Chapter 718 — Acts of 1956..... | 795,741 23 | 608,400 12 | 187,341 11 |

In the Permit Office, the permits issued and monies received for 1958 are as follows:

| PERMITS ISSUED | |
|--------------------------------------|------------|
| Signs | 8,326 |
| Occupation permits | 6,369 |
| Sidewalk licenses | 314 |
| Driveway applications | 287 |
| Special permits | 275 |
| Department permits (free) | 902 |
| Street opening permits | 476 |
| Total permits | 16,949 |

CASH RECEIVED

| | | |
|---|-----------|----|
| Occupation permits | \$62,416 | 85 |
| Signs | 88,077 | 52 |
| Sidewalk licenses | 22,029 | 75 |
| Plans and miscellaneous | 0 | 70 |
| Driveway applications | 574 | 00 |
| Notifications | 50 | 00 |
| Rents | 10,467 | 00 |
| Total income less street openings | \$183,615 | 82 |
| Street openings | 79,646 | 06 |
| Total income | \$263,261 | 88 |

The regular forces of the Paving Service were employed as usual in the maintenance of public streets, resurfacing and patching macadam pavements, patching permanent pavements, such as asphalt and granite block, and maintaining gravel, brick, and artificial stone sidewalks.

In the snow removal season, division forces were employed in spreading rock salt and sand on icy streets and also supervised plowing work throughout the city by 250 contractors' hired plows after snowstorms. All snow removal bills for plowing, hauling, force account work, cubic yard removal, etc., were processed through the Paving Service office.

The following work was done in placing new street signs and replacing and repairing existing street signs:

Erected 176 4-inch street signposts.

Erected 9 new hero square signs for dedication.

Erected 1 new directional sign.

Replaced 332 hero square signs.

Installed 682 baked enamel street signs.

Installed 160 hand-painted metal street signs.

Removed 258 old hand-painted signs, damaged baked enamel signs, and obliterated signs.

Repaired and straightened 172 bent or broken street signposts (4-inch type).

Repaired, in blacksmith shop, 212 broken street sign frames and welded 36 4-inch street sign-posts.

Repaired 351 street sign frames, collars, and brackets on 4-inch street signposts and light poles on locations.

Removed 257 pieces of rope, wire, old tires from street signs on 4-inch posts and light poles.

Installed 667 street sign frames.

Installed 291 street sign collars on 4-inch street signposts and light poles.

Installed 68 pairs of adapters on wooden poles.

Installed 209 4-inch acorns on 4-inch street signposts.

Installed 61 "Private Way" signs on 4-inch street signposts and light poles.

Removed 45 "Private Way" signs from 4-inch street signposts and light poles because public ways were made.

Painted 526 4-inch street signposts.

Painted 712 street frames.

Painted 248 4-inch acorns on 4-inch street signposts.

Painted 607 street sign collars on street signposts and light poles.

Washed and cleaned 241 street sign name plates.

Painted 255 blanks for temporary name plates.

There were 151 streets constructed or reconstructed during the year.

Some of the more important thoroughfares on which reconstruction work was completed in 1958 are as follows:

Lexington street, from Shelby street to Meridian street (including Lexington square).

Maverick street, from Orleans street to Jeffries street.

Porter street, from Bremen street approximately 100 feet south of Orleans street.

Putnam street, from Bennington street to Bremen street.

Saratoga street, from north side of bridge over M.T.A. to south side of bridge over M.T.A.

West Eagle street, from Meridian street to Border street.

Taylor street (sidewalks), Dwight street to Milford street.

Chatham street (sidewalks), from Commercial street to Merchants Row.

Summer street (sidewalks—easterly side), from Devonshire street to approximately 70 feet southerly and (northerly side), from 114 Summer street to High street.

Westland avenue, from Massachusetts avenue to Hemenway street.

River street, from Mt. Vernon street to Beacon street.

Columbus avenue at Berkeley street, southeast and southwest corners.

East Broadway, from Dorchester street to L street and from L street to M street.

Grimes street, from West Seventh street to West Eighth street.

St. Margaret street, from Boston street to Roseclair street.

Columbia road, from Old Colony avenue to Old Harbor street.

East Seventh street, from H street to N street.

East Sixth street, from G street to H street.

East Dedham street, from Harrison avenue to Albany street.

East Newton street, from Washington street to Albany street.

Roxbury street, from Columbus avenue to John Eliot square.

Williams street, from Washington street to Westminster street.

Columbus avenue, from Massachusetts avenue to Northampton street and (Roxbury Crossing) approximately 200 feet east of Texas street to approximately 100 feet west of Roxbury street, and from Washington street to Walnut avenue.

Weld Hill street, from Hyde Park avenue to dead end.

Georgia street (sidewalks), from Blue Hill avenue to Elm Hill avenue.

Grampian Way (sidewalks), from Evandale terrace to Savin Hill avenue.

Grant street (sidewalks), from Crescent avenue to Harbor View street.

Bayside street, from Savin Hill avenue to McConnell park.

Bicknell street, from Harvard street to Bradshaw street.

Blue Hill avenue, from Woodhaven street to Columbine street.

Olney street, from Geneva avenue to Rosscter street.

Clarkson street (sidewalks), from Hendry street to Barry street.

Adams street (sidewalks), from Ashmont street to Gallivan Boulevard.

Ashmont street (sidewalks), from Adams street to Burgoine street.

Boutwell street (sidewalks), from Neponset avenue to Train street.

Bushnell street, from Ashmont street to Weyanoke street.

Brookvale street, from Dorchester avenue to Hutchinson street.

Rosselerin road, from Train street to Daly street.

North Munroe terrace, from Train street to Neponset avenue.

Washington street, from Mora street to Talbot avenue.

Dakota street, from Washington street to Geneva avenue.

Valley road, from Dorchester avenue to Washington street.

Welles avenue, from Washington street to Talbot avenue.

O'Connell road, from Washington street to Valley road.

Messinger street, from Orlando street to Savannah avenue.

Savannah avenue, from approximately 166 feet northeast of Newcastle street to Messinger street and Messinger street to approximately 124 feet northeasterly.

Metropolitan avenue, from Greenwood square to River street.

Augustus avenue, from Poplar street to Metropolitan avenue.

Cornell street, from Washington street to Poplar street.

River street, from westerly line of Wood avenue to approximately 235 feet east of Marcy road.

Mariposa street, from Wood avenue to Blake street.

Reddy avenue, from River street to the playground.

Weybosset street, from Greenfield road to Mariposa street.

Edgewater Drive, from approximately 135 feet south of River street to approximately 650 feet south of River street.

Colgate road, from Washington street to railroad.

Firth road, from Washington street to Florence street.

Florence street, from Firth road to Blakemore street.

Weld Hill street, from Hyde Park avenue to dead end.

Glenhaven road, from Centre street to Joyce Kilmer road.

Furbush road, from La Grange street to approximately 402 feet northerly.

Newfield street, from Veterans of Foreign Wars Parkway to Furbush road.

Elgin street, from Centre street to New York, New Haven & Hartford Railroad.

Hastings street, from Centre street to Corey street.

Lorette street, from Centre street to Hillcrest street.

Perham street, from Vermont street to New York, New Haven & Hartford Railroad.

Penfield street, from Birch street to Belgrade avenue.

Rexhame street, from Belgrade avenue to Colberg avenue.

Leland road, from Hackensack road to approximately 631 feet southeasterly.

Allston street, from Commonwealth avenue to Washington street.

Rushmore street, from Academy Hill road to approximately 420 feet northwesterly.

Tremont street, from 600 feet northeast of Tip Top street to about Newton line.

Hooker street, from North Harvard street to Royal street.

Kenrick street, from Lake street to approximately 225 feet west of Brayton road.

North Harvard street, from Western avenue to Soldiers Field road.

The following is a list of streets constructed and reconstructed and sidewalk work done by contract in the various wards of the city in 1958.

Ward 1 — East Eagle street, Lexington street, Maverick street, Porter street, Putnam street, Saratoga street, West Eagle street, Beachview road, Border street, Everett street, Maverick street, Sumner street.

Ward 2 — Hill street.

Ward 3 — Taylor street (sidewalks), Billerica street (sidewalks), Cotting street (sidewalks), Congress street (sidewalks), Dorchester avenue (sidewalks), Arch street (sidewalks), Batterymarch street (sidewalks), Chatham street (sidewalks), Devonshire street (sidewalks), Federal street (sidewalks), High street (sidewalks), Milk street (sidewalks), Pearl street (sidewalks), State street (sidewalks), Summer street (sidewalks), Washington street (sidewalks), Atlantic avenue (sidewalks), Columbus avenue (sidewalks), Franklin street (sidewalks), Hull street (sidewalks), Oliver street (sidewalks), Salem street (sidewalks), Tremont street (sidewalks), Washington street (sidewalks), Well street (sidewalks), Court square (sidewalks), Commercial street (sidewalks), South Market street (sidewalks), Castle street, High street.

Ward 4 — Westland avenue, Trinity place.

Ward 5 — River street, Ipswich street, Columbus avenue.

Ward 6 — N street (sidewalks), Cutler court, Lovis street, East Broadway, Beckler avenue, G street, Grimes street, K street, P street.

Ward 7 — Liberty place, St. Margaret street, Columbia road, East Seventh street, East Sixth street, Frederick street, G street, Covington street.

Ward 8 — East Dedham street, East Newton street, Mall street, Taber street, Thorndike street, Zeigler street, Harrison avenue, Topeka street.

Ward 9 — Roxbury street, Guild Row, Williams street, Columbus avenue.

Ward 10 — Parker Hill terrace, Alleghany street.

Ward 11 — Roxbury street, Weld Hill street.

Ward 12 — Alaska street (sidewalks), Georgia street (sidewalks), Elm Hill avenue.

Ward 13 — Grampian Way (sidewalks), Grant street (sidewalks), Bayside street, Hancock street.

Ward 14 — Bicknell street, Blue Hill avenue, Olney street.

Ward 15 — Levant street, Tebroc street, Topliff street, Barry street (sidewalks), Clarkson street (sidewalks), Richfield street (sidewalks), Stanley street (sidewalks), Bowdoin street, Dakota street, Duncan street, Cassnet street, Hancock street.

Ward 16 — Adams street (sidewalks), Ashmont street (sidewalks), Boutwell street (sidewalks), Glide street (sidewalks), Beal street, Eriesson street, Taylor street, Bushnell street, Coffey street, Adams street, Brookvale street, North Munroe terrace, Ainsley street, Neponset avenue, Redfield street, South Munroe terrace, Rosselerin road.

Ward 17—Moultrie street, Washington street, Adams street, Dakota street, Richmond street, Valley road, Welles avenue, O'Connell road.

Ward 18—Maple street, Oak street, Briarcliff terrace (sidewalks), Cragmere terrace (sidewalks), Gladeside avenue (sidewalks), Linvale terrace (sidewalks), Mamelon Circle (sidewalks), Newcroft Circle (sidewalks), Ridgeview avenue (sidewalks), Donwood terrace (sidewalks), Leahaven road (sidewalks), Burley street, Favre street, Messinger street (B-O), Rainier road, Orlando street, Asheville road, Claron street, Grandview street, Hautevale street, June street, Denton terrace, Malverna road, Rawston road, Messinger street (O-S), Savannah avenue, Farwell avenue, Hebron street, Rosemont street, Metropolitan avenue, Augustus avenue, Cornell street, Kittredge street, Reservation road, River street, Mariposa street, Reddy avenue, Weybosset street, Edgewater Drive.

Ward 19—Larch place, Colgate road, Firth road, Florence street, Mahler road, Weld Hill street, Brewer street, Hagar street, Centre street, Washington street.

Ward 20—Brook Farm road, Homewood road, Glenhaven road, Jacqueline road (sidewalks), Robken road, Selwyn Street Extension, Furbush road, Newfield street, La Grange street, Graham terrace, Buchanan road, Corey street, Elgin street, Hastings street, Hillcrest street, La Grange street, Lorette street, Perham street, South street, Weymouth avenue, Penfield street, Rexhame street, Leland road, Wren street, Ascent street, Capital street.

Ward 21—Commonwealth avenue, Allston street, Highgate street, Naples road, Nevins street, Selkirk road.

Ward 22—Rushmore street, Margo road, Tremont street, Holton street, Hooker street, Kenrick street, Larch street, North Harvard street, Wirt street, Brayton road.

WORK DONE BY CONTRACT IN 1958

| ITEM | QUANTITY |
|---|---------------------|
| Earth and services excavation | 36,340 cubic yards |
| Rock and wall excavation | 2,029 cubic yards |
| Bank gravel | 45,598 tons |
| Crushed stone for edgestone | 1,551 tons |
| Existing base removed | 8,067 square yards |
| Existing pavement removed | 29,148 square yards |
| New straight edgestone | 16,180 lineal feet |
| New circular edgestone | 2,587 lineal feet |
| New corners (2-foot-0-inch radius) | 931 each |
| Existing edgestone reset or relocated | 55,616 lineal feet |
| Existing edgestone hauled to yard | 6,813 lineal feet |
| Crushed stone for macadam base | 13,096 tons |
| OA asphalt | 126,663 gallons |
| Portland cement concrete base | 2,128 cubic yards |

| | |
|--|---------------------|
| Portland cement concrete for backing up sidewalks | 13 cubic yards |
| Bituminous concrete base, roadway | 31,847 tons |
| Bituminous concrete top, roadway | 24,407 tons |
| Bituminous concrete base, sidewalk | 2,059 tons |
| Bituminous concrete top, sidewalk | 1,719 tons |
| Sheet asphalt top | 1,621 tons |
| Artificial stone sidewalks | 827,564 square feet |
| Artificial stone driveways | 89,273 square feet |
| Loam spaces | 2,406 square yards |
| Loam back of sidewalks | 595 cubic yards |
| Covers reset | 2,725 each |
| Catch basins and manholes rebuilt | 55 each |
| Catch basins and drop inlets built | 45 each |
| Street signposts set or reset | 292 each |
| Parking meters reset | 111 each |
| Stone bounds | 100 each |

TOTAL AREAS

| | |
|--|----------------------|
| Bituminous concrete pavement | 336,584 square yards |
| Sheet asphalt pavement | 11,602 square yards |

**YEARLY REPORT OF WORK DONE BY DEPARTMENT
FORCES FOR 1958**

| | |
|---|---------------------|
| Brick sidewalks, laid and relaid | 5,943 square yards |
| Gravel sidewalks, relaid | 8,239 square yards |
| Artificial stone sidewalks, laid (new) | 19,020 square feet |
| Artificial stone sidewalks, relaid (old) | 146,741 square feet |
| Bituminous concrete sidewalks | 13,784 square yards |
| Artificial stone sidewalks, patched with black top | 6,451 square feet |
| Edgestone reset (old) | 1,931 lineal feet |
| Macadam roadway, patched | 83,894 square yards |
| Macadam roadway, resurfaced | 1,776 square yards |
| Asphalt or bituminous concrete road- way, patched | 97,963 square yards |
| Asphalt or bituminous concrete road- way, resurfaced | 3,560 square yards |
| Street cleaning | 4,236 cubic yards |
| Snow removal | 74,379 cubic yards |

PAVING SERVICE, 1958

| | |
|--|----------------|
| Street cleaning | \$16,246 76 |
| General highway expenditures | 667,623 24 |
| Sidewalk and curbing | 229,605 66 |
| Snow and ice removed | 69,910 40 |
| Street signs | 29,055 15 |
| | <hr/> |
| | \$1,012,441 21 |

TABLE SHOWING LENGTH AND AREA OF PAVING ON ACCEPTED STREETS, CORRECTED TO JANUARY 1, 1959

| | LENGTH IN MILES. | | | | | | | | | | | AREA IN SQUARE YARDS. | | | | | | | | | | |
|-------------------------|------------------|-------------------|----------------|-------------|-------------------|--------|-------------|----------|---------|-------------|---------|-----------------------|-------------------|----------------|-------------|-------------------|---------|-------------|-----------|-----------|-------------|------------|
| | Sheet Asphalt. | Asphalt Concrete. | Granite Block. | Wood Block. | Plank on Bridges. | Brick. | \$Concrete. | Macadam. | Gravel. | Not Graded. | Totals. | Sheet Asphalt. | Asphalt Concrete. | Granite Block. | Wood Block. | Plank on Bridges. | Brick. | \$Concrete. | Macadam. | Gravel. | Not Graded. | Totals. |
| Year 1957 Report.... | 224.66 | 361.66 | 24.09 | 0.15 | 0.35 | 0.22 | 18.31 | 111.79 | 5.65 | 0.78 | 747.66 | 4,526,640 | 7,120,795 | 532,492 | 2,140 | 9,244 | 5,778 | 383,999 | 1,794,446 | 92,565 | 26,927 | 14,495,026 |
| Per Cent..... | 30.05 | 48.37 | 3.22 | 0.02 | 0.05 | 0.03 | 2.45 | 14.95 | 0.76 | 0.10 | 100.00 | 31.23 | 49.13 | 3.68 | 0.01 | 0.06 | 0.04 | 2.65 | 12.37 | 0.64 | 0.19 | 100.00 |
| JANUARY 1, 1959. | | | | | | | | | | | | | | | | | | | | | | |
| City Proper..... | 48.82 | 32.70 | 7.91 | 0.06 | 0.09 | 0.17 | 2.87 | 2.35 | 0.39 | ..... | 95.36 | 1,092,121 | 743,531 | 157,302 | 278 | 3,258 | 3,069 | 93,601 | 35,038 | 7,023 | ..... | 2,135,221 |
| Charlestown..... | 4.31 | 7.59 | 4.72 | 0.06 | 0.02 | ..... | 0.74 | 5.22 | 0.03 | 0.01 | 22.70 | 84,464 | 206,362 | 105,674 | 1,503 | 1,098 | ..... | 13,395 | 71,866 | 407 | 41 | 484,810 |
| East Boston..... | 2.88 | 25.08 | 2.33 | ..... | 0.02 | ..... | 1.39 | 6.73 | 0.10 | 0.04 | 38.57 | 61,241 | 565,511 | 48,427 | ..... | 317 | ..... | 47,177 | 150,794 | 1,982 | 812 | 876,261 |
| South Boston..... | 11.28 | 22.23 | 4.85 | ..... | 0.03 | ..... | 0.32 | 5.00 | 0.15 | 0.50 | 44.36 | 238,724 | 469,990 | 129,739 | ..... | 892 | 1,055 | 18,780 | 79,331 | 1,381 | 15,754 | 955,646 |
| Roxbury..... | 39.85 | 38.07 | 2.31 | ..... | 0.02 | 4.13 | 10.61 | 0.42 | 0.00 | 95.41 | 818,079 | 715,285 | 29,341 | ..... | 1,183 | 63,519 | 151,810 | 7,307 | 27 | 1,786,551 | ..... |  |
| West Roxbury..... | 32.60 | 100.19 | 0.02 | ..... | 0.04 | ..... | 1.97 | 22.39 | 1.45 | 0.00 | 158.66 | 575,292 | 1,832,819 | 997 | ..... | 983 | ..... | 28,148 | 362,845 | 23,362 | 4,000 | 2,848,446 |
| Dorchester..... | 52.91 | 87.03 | 0.48 | 0.03 | 0.04 | 0.01 | 5.12 | 30.87 | 1.57 | 0.02 | 178.08 | 1,000,050 | 1,638,856 | 10,157 | 338 | 985 | 145 | 82,300 | 473,553 | 25,990 | 1,737 | 3,234,111 |
| Brighton..... | 19.99 | 35.38 | 0.29 | ..... | 0.08 | ..... | 0.78 | 9.08 | 0.23 | ..... | 65.83 | 423,834 | 718,336 | 15,949 | ..... | 1,231 | ..... | 19,204 | 147,159 | 3,417 | 50 | 1,329,180 |
| Hyde Park..... | 7.84 | 31.17 | 0.00 | ..... | 0.02 | ..... | 0.24 | 11.72 | 3.71 | 0.20 | 54.90 | 134,296 | 591,515 | 47 | ..... | 304 | ..... | 3,892 | 187,603 | 59,938 | 4,506 | 982,101 |
| Total..... | 220.48 | 379.44 | 22.91 | 0.15 | 0.34 | 0.20 | 17.56 | 103.97 | 8.05 | 0.77 | 753.87 | 4,428,101 | 7,502,205 | 497,633 | 2,119 | 9,068 | 5,452 | 370,016 | 1,659,999 | 130,807 | 26,927 | 14,632,327 |
| Per Cent..... | 29.25 | 50.33 | 3.04 | 0.02 | 0.04 | 0.03 | 2.33 | 13.79 | 1.07 | 0.10 | 100.00 | 30.26 | 51.27 | 3.40 | 0.02 | 0.06 | 0.04 | 2.53 | 11.35 | 0.89 | 0.18 | 100.00 |

TOTAL PUBLIC STREETS 753.87 MILES.

NOTE.—In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline included in City Proper.

‡ Of this amount 0.02 miles or 185 square yards is cobble; and 12.13 miles or 330,142 square yards is granite block paving on concrete base.

§ Of this amount 0.06 miles or 435 square yards is Blorne granitoid concrete block.

|| Of this amount 91.67 miles or 1,476,692 square yards is bituminous macadam.

† Of this amount 57.29 miles or 1,079,640 square yards is bitulithic; and 2.03 miles or 32,884 square yards is Topeka; and 0.06 miles or 920 square yards is Fibelrite; and 0.03 miles or 595 square yards is Cary-Elastite Asphalt Plank; and 0.06 miles or 518 square yards is Johns-Mcnville Asphalt Plank; and 0.09 miles or 2,224 square yards is Asphalt Block.

6.62 miles or 36,614 square yards public alleys included in this table; 1.89 miles or 61,141 square yards public streets in charge of Park Department included in this table; 15.90 miles or 551,363 square yards public streets in charge of Commonwealth of Massachusetts included in this table. In addition to this table there are 2.45 miles or 11,845 square yards of accepted footways.

HIGHWAY DIVISION

LIGHTING SERVICE

FINANCIAL STATEMENT

| | |
|---------------------------------------|----------------|
| Total Credits for 1958 | \$1,723,619 04 |
| Total Expenditures for 1958 | 1,713,302 24 |

Individual Expenditures

Street and Park Lighting (Electric):

| | |
|--|----------------|
| Boston Edison Company | \$1,525,710 05 |
| Boston Gas Company (Charles- town District) | 69,929 36 |
| Boston Edison Company (foot- ways) | 3,952 70 |
| Boston Gas Company (Charles- town footways) | 623 94 |
| Boston Edison Company (sub- stations) | 17,034 35 |
| Boston Gas Company (sub- station) | 4,782 03 |
| | <hr/> |
| | \$1,622,032 43 |

Street Lighting (Gas):

| | | |
|------------------------------|------------|----------|
| Boston Gas Company | \$6,174 44 | 6,174 44 |
|------------------------------|------------|----------|

Police Spotlights:

| | |
|---|------------|
| Boston Edison Company | \$2,240 41 |
| Boston Gas Company (Charles- town) | 39 78 |
| | <hr/> |
| | 2,280 19 |

Construction and Maintenance:

| | |
|---|------------|
| Installation, removal, relocation and modernization: | |
| Installation of spotlight poles and services | \$7,378 61 |
| Boston Edison Company | 6,771 44 |
| Boston Gas Company | 8,587 43 |
| James Scimone (gas post re- moval) | 6,525 00 |
| | <hr/> |
| | 29,262 48 |

Salaries:

| | | |
|--|-------------|-----------|
| Administrative, engineering and maintenance personnel | \$40,201 35 | 40,201 35 |
| Office supplies | \$328 23 | 328 23 |

Maintenance Supplies:

| | | |
|--------------------------------|-------|-------------|
| Replacement parts and fixtures | | |
| for electric and gas lamps | . . . | \$7,345 65 |
| Spotlight poles | . . . | 3,027 67 |
| | | \$10,373 32 |
| Advertising | . . . | \$83 00 |
| Travel expenses | . . . | \$237 10 |
| Rental | . . . | \$2,040 00 |
| Office equipment | . . . | \$289 70 |

MERCURY VAPOR LIGHTING PROJECTS

In 1958 orders were issued on the following listed streets, main thoroughfares, and business areas for relighting with modern mercury vapor lighting:

| | Units | Lumens Each |
|---------------------------------|-------|----------------|
| Amory street, Roxbury | . . . | 1 single |
| Avenue Louis Pasteur, Roxbury | . . . | 2 single |
| Blue Hill avenue, Dorchester | . . . | 1 single |
| Blue Hill avenue, Dorchester | . . . | 2 twin |
| Boston street, Dorchester | . . . | 5 single |
| Columbia road, Dorchester | . . . | 5 single |
| Columbia road, Dorchester | . . . | 1 twin |
| Columbus avenue, Roxbury | . . . | 3 single |
| Columbus avenue, Roxbury | . . . | 28 twin |
| Dorchester avenue, Dorchester | . . . | 3 single |
| Dudley street, Roxbury | . . . | 42 single |
| Dorchester avenue, South Boston | . . . | 39 single |
| Eustis street, Roxbury | . . . | 2 single |
| Franklin street, Boston | . . . | 6 single |
| Hampden street, Roxbury | . . . | 17 single |
| Hanover street, Boston | . . . | 18 single |
| Hancock street, Dorchester | . . . | 3 twin |
| Longwood avenue, Roxbury | . . . | 15 single |
| Massachusetts avenue, Roxbury | . . . | 21 single |
| Mall street, Roxbury | . . . | 1 single |
| Northern avenue, Boston | . . . | 3 single |
| Northern avenue, Boston | . . . | 7 single |
| Northampton street, Boston | . . . | 22 single |
| Oliver street, Boston | . . . | 4 single |
| River street, Hyde Park | . . . | 40 single |
| Sumner street, East Boston | . . . | 16 single |
| Seaver street, Roxbury | . . . | 4 single |
| Seaver street, Roxbury | . . . | 28 twin |
| Summer street, South Boston | . . . | 1 single |
| Summer street, South Boston | . . . | 1 twin |
| South street, West Roxbury | . . . | 17 single |
| Savin Hill avenue, Dorchester | . . . | 3 single |

| | | |
|---|-----------|--------|
| Stoughton street, Dorchester | 11 single | 15,000 |
| Tremont street, Boston | 8 single | 20,000 |
| Tremont street, Boston | 9 twin | 20,000 |
| Union park, Boston | 4 single | 10,000 |
| Washington street, Boston | 1 single | 20,000 |
| Webster street, East Boston | 1 single | 10,000 |
| Washington street, Roxbury and West Roxbury | 56 single | 15,000 |
| Washington street, Brighton | 25 single | 20,000 |
| Washington street North, Boston | 1 single | 15,000 |
| Westland avenue, Boston | 7 single | 15,000 |

INCANDESCENT LIGHTING PROJECTS

In 1958 orders were issued for the installation of new and the replacement of old lighting units as follows:

| | Units | Lumens Each |
|--|-----------|----------------|
| Bellevue street, Dorchester | 8 single | 2,500 |
| Bellevue street, Dorchester | 4 single | 4,000 |
| Carson street, Dorchester | 5 single | 2,500 |
| Compton street, Boston | 8 single | 6,000 |
| Chelsea street, East Boston | 8 single | 6,000 |
| Everett street, East Boston | 10 single | 4,000 |
| Emerald street, Boston | 7 single | 6,000 |
| East Newton street, Boston | 9 single | 6,000 |
| Eustis street, Roxbury | 7 single | 6,000 |
| Fulda street, Roxbury | 6 single | 2,500 |
| Greenfield road, Dorchester | 8 single | 2,500 |
| Garvey Playground, Dorchester | 10 single | 6,000 |
| Garvey Playground, Dorchester | 3 twin | 6,000 |
| Hallet street, Dorchester | 5 single | 2,500 |
| Harbor View street, Dorchester | 6 single | 2,500 |
| Linden Park street, Roxbury | 8 single | 4,000 |
| Lucas street, Boston | 5 single | 2,500 |
| Lucas street, Boston | 2 single | 6,000 |
| Leonard street, Dorchester | 7 single | 4,000 |
| Mendum street, West Roxbury | 5 single | 2,500 |
| Middlesex street, Boston | 6 single | 6,000 |
| Maverick street, East Boston | 6 single | 6,000 |
| Munroe street, Roxbury | 4 single | 2,500 |
| Munroe street, Roxbury | 6 single | 4,000 |
| Poplar street, West Roxbury | 15 single | 4,000 |
| Pleasant street, Hyde Park | 5 single | 2,500 |
| Stanley street, Dorchester | 7 single | 2,500 |
| St. Thomas More road, Brighton | 5 single | 2,500 |
| St. Thomas More road, Brighton | 2 single | 6,000 |
| Service road, South Boston | 14 single | 2,500 |
| Southampton street, South Boston | 9 single | 6,000 |
| Veterans of Foreign Wars Parkway | 17 single | 6,000 |

| | | |
|--|-----------|-------|
| Williams street, Roxbury | 6 single | 4,000 |
| Williams street, West Roxbury | 6 single | 2,500 |
| Walk Hill street, Dorchester and Hyde Park | 32 single | 4,000 |
| Walk Hill street, Dorchester and Hyde Park | 16 single | 6,000 |
| Waverly street, Roxbury | 8 single | 4,000 |
| Webster street, East Boston | 2 single | 2,500 |
| Webster street, East Boston | 9 single | 4,000 |
| Webster street, East Boston | 2 single | 6,000 |
| West Eagle street, East Boston | 5 single | 4,000 |
| West Concord street, Boston | 7 single | 6,000 |
| Warren avenue, Boston | 11 single | 6,000 |

INCANDESCENT LAMPS

During 1958 incandescent lamps of 6,000 lumens each were installed on the following streets:

Ashford street, Brighton (1); Albion street, Boston (4); Claybourne street, Dorchester (1); Doane street, Boston (2); East Eagle street, East Boston (2); Fenno street, Roxbury (1); Hawkins street, Boston (3); Lehigh street, Boston (1); Putnam street, East Boston (1); Porter street, East Boston (1); Savin Hill avenue, Dorchester (2); Trull street, Dorchester (1); Thorndike street, Roxbury (4); Thane street, Dorchester (1); Village street, Boston (4); West Seventh street, South Boston (1).

Incandescent lamps of 4,000 lumens each were installed on the following streets:

Ashford street, Brighton (1); Breed street, East Boston (1); Central avenue, Hyde Park, (1); Cedar square, West Roxbury (1); Cedar Grove street, Dorchester (1); Chiswick road, Brighton (1); Eutaw street, East Boston (3); Fenno street, Roxbury (1); F street, South Boston (2); Harold street, Roxbury (1); Hallet street, Dorchester (2); Lamson street, East Boston (1); Metropolitan avenue, West Roxbury (3); Mall street, Roxbury (4); P street, South Boston (4); Prescott street, Roxbury (2); Simmons street, Roxbury (3); St. Richard street, Roxbury (1); Seaver street, East Boston (2); Trull street, Dorchester (4); Taber street, Roxbury (1); Trenton street, East Boston (3); Telegraph street, South Boston (3); Vining street, Roxbury (1); West Seventh street, South Boston (1).

Orders were issued by the Lighting Service for the installation of lighting units of 2,500 lumens each as follows:

Avon street, Boston (3); Allston street, Brighton (1); Alleghany street, Roxbury (1); Allen street, Hyde Park (1);

Beech street, West Roxbury (2); Byron street, East Boston (3); Cedar Grove street, Dorchester (3); Calumet street, Roxbury (3); Corman road, West Roxbury (1); Canterbury street, West Roxbury (1); Caddy road, Dorchester (2); Dever street, Dorchester (1); Dow road, West Roxbury (3); Emmet place, East Boston (1); Everett court, East Boston (1); Everett place, East Boston (1); Elbow street, East Boston (1); Emmondsdale street, West Roxbury (1); East Seventh street, South Boston (3); East Eagle street, East Boston (1); Ferncroft road, West Roxbury (2); Fairland street, Roxbury (2); Grant street, Dorchester (4); Greaton road, West Roxbury (1); Green street, Charlestown (1); Glenburnie road, West Roxbury (3); Goethe street, West Roxbury (4); Glendon street, East Boston (3); H street, South Boston (1); Hoyt street, Dorchester (2); Itasca street, Dorchester (1); Kane street, Dorchester (1); Kiernan road, West Roxbury (1); K street, South Boston (1); Kingsbury street, Roxbury (1); King street, Dorchester (3); Lodgehill road, Hyde Park (1); Lorna road, Dorchester (1); Levant street, Dorchester (4); Montello street, Dorchester (1); Milton avenue, Dorchester (1); Milton street, Dorchester (1); Maitland street, Boston (1); Mansur street, West Roxbury (3); Moore street, East Boston (1); Newport street, Dorchester (3); Putnam street, East Boston (1); Plymouth court, Roxbury (1); Partridge street, West Roxbury (1); Pierce street, Hyde Park (1); Quint avenue, Brighton (2); Raven street, Dorchester (1); Russell street, Charlestown (2); Rossmore road, Jamaica Plain (4); Rosemont street, Hyde Park (4); Sherbrook street, West Roxbury (1); Savin Hill avenue, Dorchester (2); Sachem street, Roxbury (2); Southbourne road, Jamaica Plain (1); Simmons street, Roxbury (1); Savannah avenue, Dorchester (1); Shawsheen street, East Boston (2); Trask street, Boston (2); Temple street, West Roxbury (1); Train street, Dorchester (1); Tilton street, Roxbury (2); Thatcher street, Hyde Park (4); Wigglesworth street, Boston (3); Westminster street, Hyde Park (4); Washburn street, South Boston (2); Wirt street, Brighton (1); Woodman street, Jamaica Plain (1); Westville street, Dorchester (1); Weld Hill street, West Roxbury (3); Williams street, Jamaica Plain (1).

Orders were issued by the Lighting Service during 1958 for the installation of 1,000-lumen lamps as follows:

Aliano road, West Roxbury (1); Altacrest road, Jamaica Plain (1); Alna place, East Boston (1); Bremen street, East Boston (1); Burrwood road, West Roxbury (1); Claxton street, West Roxbury (1); Courtney road, West Roxbury (1); Clarence street, Roxbury (1); De Soto road, West Roxbury (1); Freeman avenue, West Roxbury (1); Fox street, Dor-

chester (2); Gordon avenue, Hyde Park (3); Gordon avenue, Hyde Park (1); High street, Dorchester (1); Hallet-Davis street, Dorchester (1); Hebron street, Dorchester (2); Kenrick street, Brighton (1); Maria Lane, West Roxbury (3); Monument court, Charlestown (1); North Mead court, Charlestown (1); Riley road, Hyde Park (2); South Munroe terrace, Dorchester (1); Savin Hill Lane, Dorchester (1); School street, Brighton (1); Stella road, West Roxbury (2); Tuttle street, Dorchester (1); Vincent road, West Roxbury (1).

GAS LIGHT REPLACEMENT PROGRAM

During the year of 1958 approximately 376 obsolete gas lamps were replaced with approximately 385 modern electric luminaires of 2,500 lumens. These new lamps, in most instances, are installed on long arms to diminish interference with trees and to eliminate glare from homes on residential streets.

MAINTENANCE OF POLICE SPOTLIGHTS

The maintenance of the police spotlights continued for the year 1958. During the year there were ten additional spotlights installed in locations approved by the Police Department. Many other locations have received the approval of the Police Department and await only favorable weather to commence installation.

APPENDIX D

REPORT OF THE DIVISION ENGINEER OF
THE SANITARY DIVISION.

BOSTON, January 2, 1959.

To the Commissioner of Public Works:

DEAR SIR:

I submit herewith a statement of the activities of the Sanitary Division of the Public Works Department for the year ending December 31, 1958:

REFUSE COLLECTION AND DISPOSAL

Contracts were awarded in all seventeen of the refuse collection contract districts in March to eleven contractors. All were for a period of one year with the exception of the contract for the Hyde Park district, which was awarded to Dooley Brothers, Inc., for a two-year period. The one-year contract for the West Roxbury district, awarded to Marinucci Brothers & Co., Inc., contained a renewal option for a second year at the same terms, if the city so elects.

A disposal contract for the so-called ten-year contract area was awarded to the M. DeMatteo Construction Company for conducting the disposal operations at Spectacle Island and the Calf Pasture for the same price as the aforesaid company had in the previous year for the Spectacle Island operation only.

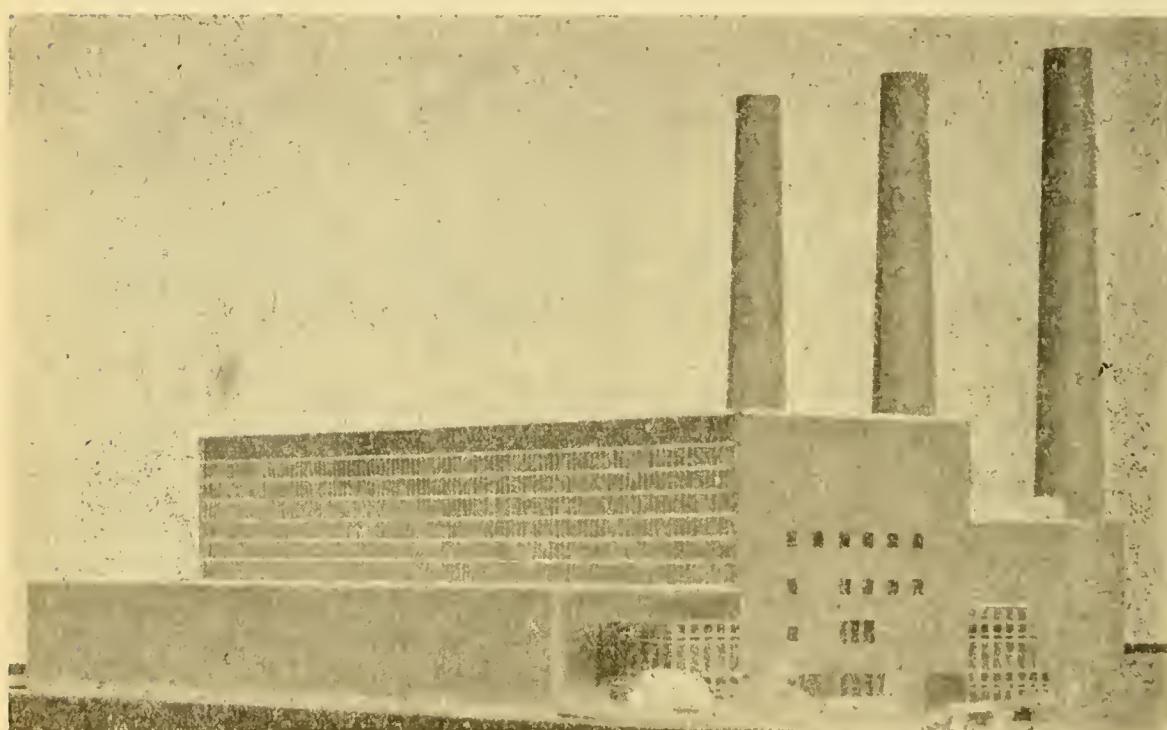
The total cost of refuse collection and disposal for 1958 was approximately \$2,580,000. This is \$10,000 less than the cost for the same services in 1957, and this was accomplished in spite of a 15-cent per hour wage increase to the labor force engaged for this work.

Other disposal facilities have been maintained during the year by:—

- (a) A renewal of the Daggett contract for disposal of the East Boston refuse at the Saugus Dump.
- (b) Continued sale of garbage delivered at the Victory Road Receiving Station to a hog farmer, providing an income of \$4,615 for the year.

(c) Keeping in repair the Fort Hill and the Victory Road Receiving Stations, and the installation of a new exhaust system for the Blacksmith Shop.

(d) Continued operation of the Gardner Street Dump with Sanitary Division forces. An excellent dumping operation is conducted at this site, and it serves the West Roxbury, Jamaica Plain, Hyde Park, and Brighton districts.



SOUTH BAY INCINERATOR
Picture of Scale Model

STREET CLEANING AND SNOW REMOVAL

The street-cleaning function has been conducted as usual. Mechanization of this function did not progress satisfactorily during this year, for, although we did acquire two new mechanical pickup sweepers at this year's end, four of the oldest sweepers were turned in as part of the deal, which reduced the number of mechanical sweepers from twenty-eight to twenty-six. Furthermore, many of these machines, which have been in operation for over ten years, break down frequently with considerable outage in service. A more adequate program for replacement of this equipment should be developed.

Division street-cleaning forces removed snow from the streets in the downtown retail stores district, and there-

after in other sections of the City Proper following storms in excess of two inches which occurred during the fall and winter months.

The entire division was mobilized for the Spring Clean-up Campaign, conducted from March 24 to April 18. At the end of this period, every section of the city was in a clean condition, and the winter's accumulation of sand in the gutters had been removed. A crew of relief recipients was obtained from the Welfare Department and was employed in cleaning up the city-owned vacant lots in the Lower Roxbury and South End districts.

INCINERATOR CONSTRUCTION

Construction of the South Bay Incinerator proceeded during the year. There was some delay occasioned by labor difficulties and material shortages. There were two strikes at the site, one by laborers and one by carpenters. There was a strike at the plant furnishing the precast concrete roof slabs, which delayed closing in the boiler room for fifty-six days; and delivery of structural steel was very slow. As a result, the construction of the incinerator is considerably behind schedule.

The Coleman Brothers Corporation completed construction of the refuse storage bin on January 22 of this year. The John Bowen Company, Inc., commenced work on the incinerator building on January 20, and their work is still in progress. The Tynan Incinerator Company commenced work for installing the furnaces, boilers, and appurtenances on September 2.

Plans and specification for the construction of a steam main from the incinerator to the Boston City Hospital have been completed, and an application for a permit to cross the Southeast Expressway with this steam main has been submitted to the State Department of Public Works. Negotiations have proceeded during the year with the Boston Edison Company for the purchase of surplus steam from the incinerator. It is now estimated that the incinerator will be ready for operation about July 1, 1959.

Respectfully submitted,

JOHN J. FLAHERTY, *Division Engineer,
Sanitary Division, P. W. D.*

PAYMENTS TO REFUSE COLLECTION CONTRACTORS

| District | Contractor | Monthly Contract Price | Total Payments |
|----------------------------|---|------------------------|----------------|
| 1 South Boston..... | Anthony J. Ryan, Jr. (First 3 months)..... (Last 9 months)..... | \$12,607 12,600 | \$151,212 00 |
| 2 East Boston..... | Milano Brothers, Inc. (First 3 months)..... Jeffries Disposal Corporation (Last 9 months)..... | 7,328+ 9,608 | 109,644 00 |
| 3 Charlestown..... | Jeffries Disposal Corporation..... | 4,832 | 57,984 00 |
| 4 Brighton..... | Frank J. Cavaliere Company, Inc. (First 3 months)..... James A. Freaney, Inc. (Last 9 months)..... | 14,420 14,620 | 174,840 00 |
| 5A West Roxbury..... | Frank J. Cavaliere Company, Inc. (First 3 months)..... Marinucci Brothers Company, Inc. (Last 9 months)..... | 10,350+ 11,990 | 140,363 00 |
| 5B Jamaica Plain..... | J. J. Moore Company, Inc. (First 3 months)..... (Last 9 months)..... | 11,100 11,400 | 135,900 00 |
| 6A Dorchester (North)..... | Coleman Brothers Corporation (First 3 months)..... Frank J. Cavaliere Company, Inc. (Last 9 months)..... | 27,370 25,630 | 312,780 00 |
| 6B Dorchester (South)..... | Coleman Brothers Corporation (First 3 months)..... Frank J. Cavaliere Company, Inc. (Last 9 months)..... | 30,570 28,430 | 347,580 00 |
| 7A Elm Hill..... | William J. Banfield (First 3 months)..... Carriere Construction Company (Last 9 months)..... | 5,420 5,320 | 64,140 00 |
| 7B Dudley..... | United Contracting Company (First 3 months)..... (Last 9 months)..... | 6,929 7,429 | 87,648 00 |
| 7C Mission Hill..... | Frank J. Cavaliere Company, Inc. (First 3 months)..... Dooley Brothers, Inc. (Last 9 months)..... | 7,960 7,500 | 91,380 00 |
| 7D Roxbury..... | James A. Freaney, Inc. (First 3 months)..... United Contracting Company of Boston (Last 9 months)..... | 9,480 8,098 | 101,322 00 |
| 9 South End..... | James A. Freaney, Inc. (First 3 months)..... Joseph Amara & Son (Last 9 months)..... | 6,940 6,719 | 81,291 00 |
| 9A Back Bay..... | Dooley Brothers, Inc. (First 3 months)..... (Last 9 months)..... | 2,990 3,290 | 38,580 00 |
| 9B Stuart..... | James A. Freaney, Inc. (First 3 months)..... (Last 9 months)..... | 2,910 2,385 | 30,195 00 |
| 10 North and West Ends... | Ward General Contracting Company (First 3 months)..... (Last 9 months)..... | 13,650 12,500 | 153,450 00 |
| 11 Hyde Park..... | Dooley Brothers, Inc. (First 3 months)..... (Last 9 months)..... | 6,390+ 6,690 | 79,778 00 |
| Total..... | | | \$2,158,087 00 |

PAYMENTS TO DISPOSAL CONTRACTORS

| District | Contractor | Monthly Contract Price | Total Payments |
|------------|--|------------------------|----------------|
| | Coleman Disposal Corporation..... (First 3 months)..... | \$2,100 | \$6,300 00 |
| | M. DeMatteo Construction Company..... | 30,980 | 371,760 00 |
| Total..... | | | \$378,060 00 |

PAYMENTS FOR RENTAL OF DUMPS

| | | | |
|---|--|-------------------|----------------|
| Saugus..... | Dewey E. Daggett..... (First 3 months)..... (Last 9 months)..... | \$900 1,916 50 | \$19,948 50 |
| Calf Pasture..... | Boston Gas Company..... | 2,000 | 24,000 00 |
| Total..... | | | \$43,948 50 |
| Total Disposal..... | | | \$422,008 50 |
| Total Payments to Contractors for Refuse Collection and Disposal..... | | | \$2,580,095 50 |

Expenditures in 1958

| | |
|---|----------------|
| Payments to Refuse Collection Contractors | \$2,158,087 00 |
| Payments to Refuse Disposal Contractors | 422,008 50 |
| | \$2,580,095 50 |

Payroll Totals Were as Follows:

| | |
|---|----------------|
| Administrative and General | |
| Services..... | \$58,492 70 |
| Shops and Storehouse..... | 205,044 81 |
| Collection and Disposal..... | 296,251 49 |
| | |
| Total Sanitary | \$559,789 00 |
| Street Cleaning..... | 1,644,910 73 |
| | |
| Total Sanitary and Street Cleaning..... | \$2,204,699 73 |
| Overtime Payrolls Were as Follows: | |
| Shops and Storehouse..... | \$1,551 08 |
| Collection and Disposal..... | 4,318 37 |
| Street Cleaning..... | 32,651 49 |
| | |
| Total Overtime..... | 38,520 94 |
| | |
| Total Payroll | \$2,243,220 67 |
| Payments on Other Contracts..... | 48,631 78 |
| Supplies and Materials..... | 50,245 89 |
| Miscellaneous..... | 12,525 45 |
| | |
| Grand Total | \$4,934,719 29 |

Equipment Acquired During 1958

| | |
|-----------------------|-------------|
| 2 Wayne Sweepers..... | \$27,000 00 |
|-----------------------|-------------|

*Personnel Changes in Permanent Force During the
Year 1958*

| | |
|---|------|
| Total Personnel, January 1, 1958..... | *630 |
| Transfers In (from Other Departments and Divisions)..... | 13 |
| Reinstatements..... | 3 |
| Appointments..... | 24 |
| | 40 |
| | — |
| | 670 |
| Deaths..... | 11 |
| Resignations..... | 13 |
| Retirements..... | 34 |
| Transfers Out (to Other Departments and Divisions)..... | 5 |
| Discharges..... | 1 |
| | 64 |
| Total Personnel, January 1, 1959..... | †606 |

* Including 1 Military Leave of Absence.

† Total Net Loss of 24 Employees.

APPENDIX E

REPORT OF THE DIVISION ENGINEER OF
THE SEWER DIVISION

BOSTON, January 2, 1959.

To the Commissioner of Public Works.

DEAR SIR:

I submit herewith statement of the activities and expenditures of the Sewer Division for the year ending December 31, 1958.

Expenditures During 1958: The activities of the Sewer Division during the year consisted of advertising for sewer construction at a contract bid price of \$98,658.16, and the maintenance and operation of the sewer system at a cost of \$748,462.45.

Contract Work: Contract work consisted of the extension of the sewer system to provide drainage for new buildings and street construction and to eliminate cess-pools, the locations and cost of which are attached.

Maintenance Work: Maintenance work consisted of the cleaning of 3,883 catch basins by contract and 1,535 by yard forces, the freeing of stopped sewers and catch basins, and the repair of sewers, manholes, and catch basins by the yard forces and the operation of the pumping station and disposal works, the cost of which is attached.

The Sewer Division is responsible for the maintenance of about 1,295.31 miles of sewers and surface drains, the emergency cleaning of catch basins, the repair of broken sewers and catch basins, the answering of house drain complaints, the operation of pumping stations and storage basins for the disposal of sewage by division forces; the keeping of records, the issuance of permits for and the inspection of the construction of house drains; engineering, clerical, and inspectional work in connection with the construction of sewerage works done by advertised contract.

An advertised contract was awarded to the lowest bidder for the emergency repair of sewers at a bid price of \$17,260.

Two advertised contracts were awarded to the lowest bidders for the cleaning of catch basins in the sum of \$22,950.

Proposed Work to Be Done by Advertised Contract During 1959 Is As Follows:

Emergency repairs of sewers. Estimated cost, \$20,000.
Cleaning of catch basins. Estimated cost, \$15,000.

Extension of sewer system to provide drainage for new buildings and new street construction. Estimated cost, \$300,000.

The covering in that part of open Canterbury Branch of Stony Brook from Canterbury street to Walk Hill street. Estimated cost, \$155,000. Would be built under Chapter 91, under which the state would assume one half of the cost.

The covering in of an open tidal creek known as Neponset River and Squantum Bay (Davenport Brook), between the end of the existing Davenport Brook Conduit near Hallet street, Dorchester, and highway culvert recently constructed in connection with the Southeast Expressway. Estimated cost, \$90,000. Would be built under Chapter 91, under which the state would assume one half of the cost.

The covering in of Spring Street Brook, between Gould street and 1,200 feet south of Gould street, West Roxbury. Estimated cost, \$120,000.

The rebuilding of the existing 3-foot by 4-foot brick sewer built in 1881 with a twin 30-inch diameter inverted siphon located within the Prudential area and the tracks of the Boston & Albany Railroad, between Huntington avenue and Garrison street and Boylston street at Fairfield street. Estimated cost, \$236,800.

The Sewer Division Labor Force Consists of the Following: 14 laborers, 1 carpenter, 28 motor equipment operators and laborers, 9 catch-basin machine operators, 3 tide gate repairmen and 1 working foreman-tide gate repairman, 8 working foremen-sewer cleaners, 10 sewer cleaners, 4 bricklayers, 2 yardmen, 1 heavy motor equipment operator, 5 sewer district foremen, and 1 main drainage foreman. This makes a total of 87 men assigned

to answering complaints, cleaning catch basins, cleaning sewers, repairing manholes and catch basins, repairing broken sewers, and other related work.

Length of Sewers Built: During the fiscal year 1958 there were built by contractors and day labor 2.69 miles of common sewers and surface drains throughout the city. After deducting 0.16 miles of sewers and surface drains, rebuilt or abandoned, the net increase for 1958 is 2.53 miles, which, added to the existing 1,295.31 miles of common sewers and surface drains and 30.93 miles of intercepting sewers, makes a grand total of 1,328.77 miles of all sewers belonging to the City of Boston, and under the care of the Sewer Division on January 1, 1959.

There were 120 catch basins built or rebuilt and none abandoned or removed during the year, making a net gain of 120 catch basins and a grand total of 24,818 catch basins under the care of the Sewer Division on January 1, 1959.

Permit Office Report: Entrance fees to the amount of \$11,619.23 have been deposited with the City Collector for collection from estates upon which no sewer assessments were ever paid, in accordance with Ordinances of 1945, Chapter 27, Section 10.

There were 704 permits issued, viz., 140 to district foremen and contractors and 564 to drain layers for repairing or laying new house drains. Inspectors from this office have personally inspected the work done under these drain-layers' permits.

There were 1,989 complaints investigated, and inspectors are instructed to report in writing in each case.

There were 1,920 catch-basin complaints received.

Reported in writing on 3,605 municipal liens to the City Collector, in accordance with Chapter 60, Section 25, of the General Laws. Reported orally on about 1,800 requests for information on municipal liens.

Respectfully,

EDWARD G. A. POWERS,
Division Engineer, Sewer Division.

**SUMMARY OF SEWER CONSTRUCTION FOR TWELVE
MONTHS ENDING DECEMBER 31, 1958**

| DISTRICTS. | Built by the City Either by Contract or Day Labor. | Built by Private Parties. | Total Lengths Built. | |
|-------------------|---|---------------------------------|----------------------|--------|
| | Linear Feet | Linear Feet | Linear Feet | Miles |
| City Proper..... | | 1,883.00 | 1,883.00 | 0.3560 |
| Roxbury..... | 438.50 | 955.00 | 1,393.50 | 0.2639 |
| South Boston..... |  |  |  | ..... |
| East Boston..... |  |  |  | ..... |
| Charlestown..... |  |  |  | ..... |
| Brighton..... |  |  |  | ..... |
| West Roxbury..... | 4,349.00 | 1,624.00 | 5,973.00 | 1.1312 |
| Dorchester..... | 2,059.10 | 218.50 | 2,277.60 | 0.4314 |
| Hyde Park..... | 1,422.66 | 1,288.71 | 2,711.37 | 0.5135 |
| Totals..... | 8,269.26 | 5,969.21 | 14,238.47 | 2.6966 |

**SUMMARY OF SEWER CONSTRUCTION FOR FIVE YEARS
PREVIOUS TO JANUARY 1, 1959**

| | 1954 | 1955 | 1956 | 1957 | 1958 |
|---|-------------|-------------|-------------|-------------|-------------|
| | Linear Feet | Linear Feet | Linear Feet | Linear Feet | Linear Feet |
| Built by city by contract or day labor.... | 33,316.89 | 33,237.48 | 25,559.88 | 17,133.24 | 8,269.26 |
| Built by private parties or other city departments..... | 10,459.00 | 1,695.15 | 3,487.39 | 4,278.40 | 5,969.21 |
| Totals..... | 43,775.89 | 34,932.63 | 29,047.27 | 21,411.64 | 14,238.47 |

TOTAL LENGTH OF SEWERS

| DISTRICTS. | Total Lengths Built During Twelve Months Ending December 31, 1958. | Lengths Removed or Abandoned During Twelve Months Ending December 31, 1958. | Additional Lengths for the Twelve Months Ending December 31, 1958. | |
|-------------------|--|---|--|--------|
| | Linear Feet | Linear Feet | Linear Feet | Miles |
| City Proper..... | 1,883.00 | 475.00 | 1,408.00 | 0.2666 |
| Roxbury..... | 1,393.50 | 390.00 | 1,003.50 | 0.1901 |
| South Boston..... | | | | |
| East Boston..... | | | | |
| Charlestown..... | | | | |
| Brighton..... | | | | |
| West Roxbury..... | 5,973.00 | | 5,973.00 | 1.1312 |
| Dorchester..... | 2,277.60 | | 2,277.60 | 0.4314 |
| Hyde Park..... | 2,711.37 | | 2,711.37 | 0.5135 |
| Totals..... | 14,238.47 | 865.00 | 13,373.47 | 2.5328 |

| | |
|---|-----------------|
| Common sewers and surface drains built previous to January 1, 1958 | Miles. 1,295.31 |
| Common sewers and surface drains built between January 1 and December 31, 1958 | 2.53 |
| Common sewers and surface drains built ending December 31, 1958 | 1,297.84 |
| City of Boston intercepting sewers connecting with Metropolitan sewers to December 31, 1958 | 6.81* |
| City of Boston main drainage intercepting sewers to December 31, 1958 | 24.12* |
| Grand total of common and intercepting sewers to December 31, 1958 | 1,328.77 |
| Total mileage of streets containing sewerage works to January 1, 1959 | 716.12 |

* No additional lengths built during 1958.

CATCH BASINS IN CHARGE OF SEWER DIVISION

| DISTRICTS. | CATCH BASINS FOR TWELVE MONTHS ENDING DECEMBER 31, 1958. | | | TOTAL FOR WHOLE CITY IN CHARGE OF SEWER DIVISION. | |
|-------------------|---|------------------------------------|------------------|---|--|
| | Number Built or Rebuilt. | Number Abandoned or Removed. | Net Increase. | Previous Report to January 1, 1958. | Grand Total to January 1, 1959. |
| City Proper..... | 0 | 0 | 0 | 3,801 | 3,801 |
| Roxbury..... | 27 | 0 | 27 | 3,494 | 3,521 |
| South Boston..... | 11 | 0 | 11 | 1,477 | 1,488 |
| East Boston..... | 4 | 0 | 4 | 1,223 | 1,227 |
| Charlestown..... | 0 | 0 | 0 | 870 | 870 |
| Brighton..... | 3 | 0 | 3 | 2,142 | 2,145 |
| West Roxbury..... | 46 | 0 | 46 | 4,591 | 4,637 |
| Dorchester..... | 18 | 0 | 18 | 5,709 | 5,727 |
| Hyde Park..... | 11 | 0 | 11 | 1,391 | 1,402 |
| Totals..... | 120 | 0 | 120 | 24,698 | 24,818 |

REPORT OF CALF PASTURE PUMPING STATION, 1958

| | |
|---|------------|
| Total millions of gallons pumped (annually) | 46,448.025 |
| Average cost per million gallons (annually) | \$4 57 |

ANNUAL TOTAL OPERATING COSTS, 1958

| | |
|-----------------------------|--------------|
| Labor | \$105,607 33 |
| Edison Power | 93,392 32 |
| Fuel Oil No. 5 | 3,927 28 |
| Bottled Gas | 101 00 |
| Supplies | 2,526 75 |
| Miscellaneous Oil | 170 18 |
| Service Orders | 6,405 50 |
| | _____ |
| | \$212,130 36 |

SEWER DIVISION BUDGET EXPENDITURES, 1958

| | |
|---|--------------|
| 10. Permanent Employees | \$548,784 91 |
| 11. Temporary Employees | 1,840 05 |
| 12. Overtime | 16,529 15 |
| | _____ |
| | \$567,154 11 |
| 21. Communications | \$3,174 67 |
| 22. Light, Heat, Power | 104,269 53 |
| 26. Repairs and Maintenance of Buildings and Structures | 42,187 10 |
| 27. Repairs and Servicing of Equipment | 6,544 05 |
| 28. Transportation of Persons | 1,047 00 |
| 29. Miscellaneous Contractual Services | 705 64 |
| | _____ |
| | 157,927 99 |
| 32. Food Supplies | \$9 45 |
| 33. Heating Supplies and Materials | 6,407 99 |
| 34. Household Supplies and Materials | 465 91 |
| 35. Medical, Dental, and Hospital Supplies and Materials | 39 87 |
| 36. Office Supplies and Materials | 2,379 37 |
| 39. Miscellaneous Supplies and Materials | 12,060 62 |
| | _____ |
| | 21,363 21 |
| 49. Miscellaneous Current Charges and Obligations | \$1,387 00 |
| | _____ |
| 59. Miscellaneous Equipment | \$630 14 |
| | _____ |
| Grand Total | \$748,462 45 |

CONSTRUCTION REPORT, 1958.
Sewerage Works, 1958.

| ACCOUNTS | Totals | Labor | Materials | Contractors | Sundries |
|---|--------------|--------------|-------------|--------------|------------|
| Office and engineer's salaries..... | \$144,673 58 | \$144,673 58 | | | |
| 12,787 71 | | | | \$11,793 20 | \$994 51 |
| 17,426 08 | | | \$17,426 08 | | |
| Stock..... | 0 00 | 7,199 19 | | | |
| Land takings..... | | 7,199 19 | | | |
| Release sewers..... | | 25,578 20 | | 25,578 20 | |
| (54) Mechanics Iron Foundry Co., Contract No. 4167. | 31,269 96 | | | 31,269 96 | |
| Mechanics Iron Foundry Co., Contract No. 4185 | | | | | |
| Total Miscellaneous..... | \$238,934 72 | \$151,872 77 | \$17,426 08 | \$68,641 36 | \$994 51 |
| 143,165 80 | | 19,664 30 | 6,901 81 | 116,205 99 | 393 70 |
| Total sewers built..... | | | | | |
| Total gross expenditures..... | \$382,100 52 | \$171,537 07 | \$24,327 89 | \$184,847 35 | \$1,388 21 |
| CREDITS | | | | | |
| Construction stock used on construction..... | \$24,327 89 | | \$24,327 89 | | |
| Total expenditures, 1958 | \$357,772 63 | \$171,537 07 | — | \$184,847 35 | \$1,388 21 |

Sewerage Works Contracts, from January 1, 1957, to December 31, 1958.

| LOCATION | Started | Finished | Contractors | Length in Feet | Character | Amount Expended in 1958 |
|---|-----------------|----------------|-----------------------------------|--|---|-------------------------------|
| WEST ROXBURY | | | | | | |
| Byrd avenue, West Roxbury, and Rushmore street, Brighton | June 17, 1957 | July 26, 1957 | N. Bevilacqua & Son | No const. | Final payment only | \$228 27 |
| Grandview street and outlet in private land to Winton street and minor sewerage works in June street. | Dec. 11, 1957 | April 29, 1958 | G & F Construction Co. | 653.00 317.00 60.00 | 10" pipe sewer 10" pipe surface drain 10" pipe catch-basin drain 5 manholes 6 catch basins | 15,903 50 |
| Robben road and outlet in Selwyn Street Extension. | July 25, 1957 | Aug. 27, 1957 | Z & S Construction Co. | No const. | Final payment only | 242 70 |
| Ascent street and Glenellen road | July 21, 1958 | Aug. 13, 1958 | Joseph Capone & Son, Inc. | 108.00 267.00 545.00 187.00 205.00 | 10" pipe sewer 10" pipe surface drain 12" pipe surface drain 15" pipe surface drain 10" pipe catch-basin drain 5 manholes 11 catch basins | 13,195 35 |
| Florian street, between Wyvern street and Folsom street. | July 21, 1958 | Aug. 22, 1958 | C. Russo, Inc. | 480.00 155.00 145.00 175.00 | 10" pipe sewer 15" pipe surface drain 12" pipe surface drain 10" pipe surface drain 6 manholes | 7,845 85 |
| Centre street, Glencliffe road, Gould street, Leland road, and Vogel street. | July 1, 1958 | July 30, 1958 | N. Bevilacqua & Son | 237.00 | 10" pipe catch-basin drain 20 catch basins | 7,308 35 |
| Lyall terrace, from Lyall street 220 feet southwesterly. | Sept. 29, 1958 | Oct. 14, 1958 | N. Bevilacqua & Son | 238.00 234.00 | 10" pipe sewer 10" pipe surface drain 3 manholes | 3,037 52 |
| Florian Way, from Florian street 290 feet southerly. | Not yet started | | N. Bevilacqua & Son | No const. | Advertising and engineering only | 338 57 |
| Veterans of Foreign Wars Parkway (east side), from Gardner street 500 feet northerly. | Not yet started | | John J. Botti | No const. | Engineering only | 310 20 |

Sewerage Works Contracts, from January 1, 1957, to December 31, 1958 — Concluded.

| LOCATION | Started | Finished | Contractors | Length in Feet | Character | Amount Expended in 1958 |
|---|---------------|------------------|-----------------------------------|---|--|-------------------------------|
| DORCHESTER | | | | | | |
| Gallivan Boulevard, north side, from man-hole opposite Marsh street to 265 feet westerly. | Oct. 21, 1957 | Nov. 9, 1957 | Paul J. Rogan Co. | No const. | Final payment only | \$224 77 |
| Corman road, Coffey street, and Richmere road, Dorchester, and Greenwood Circle, Hyde Park. | June 24, 1957 | Aug. 15, 1957 | Joseph Capone & Son, Inc. | No const. | Final payment only | 241 45 |
| Manor street | Aug. 14, 1958 | Aug. 29, 1958 | Joseph Capone & Son, Inc. | 592.25 355.40 49.00 | 10" pipe sewer 12" surface drain minor drain 4 catch basins 5 manholes | 7,966 61 |
| Calf Pasture Pumping Station | May 23, 1958 | Aug. 4, 1958 | P. J. Riley & Co. | New main sluice gates | 20,262 1. | |
| (56) Freeport Way | Oct. 20, 1958 | Nov. 24, 1958 | C. Russo, Inc. | 10" pipe sewer minor drain 3 manholes 3 catch basins | 2,968 92 | |
| St. Clare road, from Boutwell street to end. | Nov. 25, 1958 | Not yet finished | C. Russo, Inc. | 179.60 20.00 | 10" pipe sewer minor drain 1 manhole 2 catch basins | 1,575 18 |
| HYDE PARK | | | | | | |
| Huntington avenue, Ashville road, and Melba Way. | June 13, 1957 | Aug. 5, 1957 | Joseph Capone & Son, Inc. | No const. | Final payment only | 374 89 |
| Stony Brook, Section 18 | Oct. 3, 1955 | Sept. 28, 1957 | Pacella Bros. Corp. | No const. | Final payment only | 24,513 15 |
| Outlet for Millstone road in private land and land of M. D. C., Hyde Park, and minor sewerage works in Dow road and Cutter road, West Roxbury. | July 23, 1957 | Aug. 22, 1957 | Edward Vozzella | No const. | Final payment only | 101 95 |
| Farwell avenue from a point 390 feet southeast of Summit street 205 feet southeasterly, Hyde Park; Maria Lane; outlet for housing project to Fenway Heights avenue, West Roxbury; and water works in Farwell avenue, Hyde Park. | Aug. 26, 1957 | Sept. 23, 1957 | N. Bevilacqua & Son | No const. | Final payment only | 127 35 |

| | | | | | | |
|---|---------------|-------------------|------------------------------------|------------------|--|-----------|
| Beech street, between Ashville road and 90 feet northwest of Lodgehill road, and in Ashville road between Beech street and 485 feet southerly. | June 3, 1958 | June 23, 1958 | Mystic Construction Co. | 478.07 340.60 | 12" pipe surface drain 10" pipe surface drain 7 manholes | 5,730 62 |
| Sewerage works and water works in Mansur street, Hyde Park and West Roxbury, from Grew avenue to 180 feet west of Arborfield road; Valencia road, between Avila street and end, Hyde Park; and minor sewerage works in Williams street, West Roxbury. | Oct. 30, 1957 | Dec. 4, 1957 | Joseph Capone & Son, Inc. | No const. | Final payment only | 1,237 83 |
| Bradlee street, between Safford street and Tacoma street; Taema street, from Bradlee street to 100 feet northeasterly. | Dec. 2, 1958 | Not yet finished. | Roslindale Contracting Co. | 200.00 | 24" pipe surface drain | 1,758 17 |
| Sherrin street, Windham road, Austin street, and outlet in private land and Grew Avenue Extension. | Aug. 29, 1957 | Oct. 1, 1957 | Joseph Capone & Son, Inc. | No const. | Engineering only | 783 05 |
| ROXBURY | | | | | | |
| South Bay avenue, between Atkinson street and Cummings street. | Feb. 6, 1958 | Mar. 7, 1958 | Z. & S. Construction Co. | No const. | Final payment only | 544 99 |
| Topeka street, between Southampton street and South Bay avenue. | June 23, 1958 | July 18, 1958 | John J. Botti | 134.00 | 10" pipe catch -basin drain 3 catch basins | 3,244 58 |
| South Bay avenue, between Topeka street and Moore street. | | | R. A. Bueella & Sons, Inc. | 438.50 | 12" pipe sewer | 18,672 37 |
| CITY PROPER | | | | | | |
| Appleton street, City Proper, from a point 100 feet southwest of Berkley street to a point 50 feet southwesterly; Huntington avenue, Roxbury, from a point 80 feet northeast of Opera place to a point 50 feet northeasterly; Edgerly road, City Proper, from a point 60 feet north of Norway street to a point 50 feet northerly; Norway street, City Proper, between Edgerly road and Whipple street. | Nov. 27, 1957 | Dec. 30, 1957 | Mystic Construction Co. | No const. | Final payment only | 4,367 45 |

APPENDIX F

REPORT OF THE
SURVEY DIVISION

BOSTON, January 2, 1959.

To the Commissioner of Public Works.

DEAR SIR:

I respectfully submit the following report of the activities of the Survey Division for the year ending December 31, 1958.

This division performs engineering services for other divisions of the Public Works Department and other city departments, boards, and commissions. It also performs administrative and engineering duties required by the Public Improvement Commission for its operation.

The principal engineering duties include:

- (a) the making of plans, surveys, estimates and reports relating to the laying out, widening, construction, and design of public highways;
- (b) the taking of easements for sewerage works;
- (c) staking out lines and grades for the construction of highways, sewerage, etc.;
- (d) the making of property surveys of land to be acquired by the City of Boston by eminent domain;
- (e) the making of plans and surveys of city-owned land for purposes of sale, interdepartmental transfer, or new development;
- (f) the making of various engineering surveys and plans required by other city departments.

For the Public Improvement Commission, the administrative functions include the processing of petitions, arranging public hearings, preparing estimates and orders relating to land damages and street and sewer betterments, preparing orders for the laying out of streets and the construction of streets and sewers, preparing orders for eminent domain land takings, preparing orders for the granting of permits for use of

public highways, erection of poles, etc., and the maintenance of all records in the charge of the Public Improvement Commission.

Personnel: On December 31, 1958, there were 33 permanent and 4 temporary employees as listed below in this division.

| NAME | TITLE |
|----------------------------------|---------------------------------------|
| Kenneth L. Benkart . . . | Senior Engineering Aide |
| Charles E. Brewer . . . | Assistant Civil Engineer |
| Arthur J. Brickley . . . | Assistant Civil Engineer |
| Oliver C. Brown . . . | Senior Engineering Aide |
| George F. Buckley . . . | Junior Civil Engineer |
| John A. Bulliner . . . | Senior Enginnering Aide |
| Carmine D. Buono . . . | Senior Engineering Aide (Provisional) |
| Joyce E. Campbell . . . | Principal Clerk-Stenographer |
| Michael J. Corrao . . . | Assistant Executive Secretary |
| George J. Creney . . . | Photostat Operator |
| John J. Curley, Jr. . . . | Junior Civil Engineer |
| Saverio A. DeFronzo . . . | Senior Clerk-Typist |
| Salvatore C. Diliberto . . . | Assistant Civil Engineer |
| William F. Duggan . . . | Principal Clerk-Stenographer |
| Harry M. Fletcher . . . | Assistant Civil Engineer |
| Thomas O. Flood . . . | Senior Clerk |
| George H. Gilboy . . . | Junior Civil Engineer |
| John F. Gilmore, Jr. . . . | Assistant Civil Engineer |
| James W. Haley . . . | Division Engineer |
| Bernard Harrington . . . | Junior Engineering Aide (Provisional) |
| Leo B. Hughes . . . | Senior Engineering Aide |
| Roland A. Hull . . . | Assistant Civil Engineer |
| Angelo J. Ialuna . . . | Assistant Civil Engineer |
| James J. Kelly . . . | Senior Engineering Aide (Provisional) |
| Walter R. Luby . . . | Principal Civil Engineer |
| Thomas McCusker . . . | Executive Secretary |
| Francis McHugh . . . | Junior Civil Engineer |
| Robert P. Mehegan . . . | Assistant Executive Secretary |
| Frederick J. Milliken, Jr. . . . | Senior Engineering Aide |
| A. Albert Minichiello . . . | Assistant Civil Engineer |
| Philip A. Moynahan . . . | Senior Engineering Aide |
| William P. Norris . . . | Photographer |
| Thomas E. Rafferty . . . | Assistant Civil Engineer |
| Albert J. Rodriguez . . . | Junior Civil Engineer |
| John J. Ryan . . . | Principal Civil Engineer |
| John A. Rohanna . . . | Junior Engineering Aide |
| Robert J. Sheehan . . . | Senior Engineering Aide (Provisional) |
| Redmond L. Walsh . . . | Head Photostat Operator |

The personnel allowance of this division has been dropping steadily, from 73 in 1935 to 57 in 1945 to 41 this year. Of the 41 positions, 8 are now permanent vacancies because of our inability to secure qualified personnel through Civil Service in competition with higher salaries offered by the state and other public and private agencies. Obviously, this situation, which has continued now for over 10 years, is a serious handicap to the division.

DIVISION EXPENDITURES, JANUARY 1, 1958, TO DECEMBER 31, 1958, INCLUSIVE

| | Survey Budget | Highway Loan | Sewer Loan |
|--------------------------------------|---------------------|---------------------|---------------------|
| Personnel..... | \$83,840 88 | \$101,527 54 | — |
| Pensions..... | 21,287 28 | — | — |
| Contractual Services..... | 2,857 72 | 4,573 05 | \$639 75 |
| Supplies and Materials..... | 7,179 42 | — | — |
| Current Charges and Obligations..... | — | 39,699 75 | — |
| | \$115,165 30 | \$145,800 34 | \$639 75 |
| TOTAL EXPENDITURES..... | | | \$261,605 39 |

During the period covered by this report, the Survey Division completed 109 surveys and plans for the improving of existing highways, laying out of new ones and discontinuances, totaling 12.05 miles. There were 23 surveys and plans for 1.50 miles of sewerage easements and 10 surveys and plans of city-owned land or land to be taken for municipal purposes made.

Field engineering work included the staking out of 50 streets for the Paving Service of the Highway Division, 20 for the Sewer Division, and miscellaneous services for other city departments. Regular routine work included the resurveying of street lines for private engineers wherever existing records were inadequate or obsolete, marking lines and grades for private construction abutting public streets, examining Land Court plans for the Law Department, preparing land damage reports for the Public Improvement Commission.

Listed below are the major engineering surveys and plans completed during the period of this report.

For the Public Improvement Commission:

There were 58 surveys made, and plans for the laying out of 7.45 miles of public highways were made as follows:

| <i>District</i> | <i>Length in Feet</i> |
|------------------------------------|---------------------------|
| BOSTON PROPER: | |
| Dover street | 350 |
| BRIGHTON: | |
| Fidelis Way | 1,725 |
| Nottingham Path | 205 |
| Rotterdam street | 580 |
| CHARLESTOWN: | |
| Walford Way | 1,890 |
| DORCHESTER: | |
| Colorado street | 335 |
| Fermoy Heights avenue | 365 |
| Frazer street | 335 |
| Freeport Way | 440 |
| Messinger street | 250 |
| Milton Street Extension | 245 |
| Savannah avenue | 325 |
| Shandon road | 750 |
| Standard street | 1,100 |
| Woodbole avenue | 2,200 |
| Woodmere street | 200 |
| Woodruff Way | 1,400 |
| Woodgate street | 800 |
| EAST BOSTON: | |
| Faywood avenue | 1,385 |
| Orient avenue | 100 |
| Swift street and terrace | 250 |
| Vallar road | 1,260 |
| HYDE PARK: | |
| Bow street | 680 |
| Bradlee street | 350 |
| Braeburn street | 520 |
| Child street | 530 |
| Garfield avenue | 1,320 |
| Lodgehill road | 275 |

| | | | | | | | |
|---------------------|---|---|---|---|---|---|-------|
| Magee street | . | . | . | . | . | . | 730 |
| Meadow road | . | . | . | . | . | . | 800 |
| Metropolitan avenue | . | . | . | . | . | . | 270 |
| Norris road | . | . | . | . | . | . | 396 |
| Providence street | . | . | . | . | . | . | 2,480 |
| Ruffing street | . | . | . | . | . | . | 515 |
| Sherrin street | . | . | . | . | . | . | 920 |
| Tracton avenue | . | . | . | . | . | . | 130 |
| Westville road | . | . | . | . | . | . | 200 |
| Woodland road | . | . | . | . | . | . | 880 |
| Westminster street | . | . | . | . | . | . | 1,385 |
| Woodglen road | . | . | . | . | . | . | 270 |

ROXBURY:

| | | | | | | | |
|---------------------|---|---|---|---|---|---|-----|
| Alley No. 2301 | . | . | . | . | . | . | 790 |
| Copeland park | . | . | . | . | . | . | 130 |
| Quincy place | . | . | . | . | . | . | 130 |
| Orehard Park street | . | . | . | . | . | . | 180 |

SOUTH BOSTON:

| | | | | | | | |
|---------------|---|---|---|---|---|---|-----|
| Flaherty Way | . | . | . | . | . | . | 990 |
| Hill place | . | . | . | . | . | . | 150 |
| Patterson Way | . | . | . | . | . | . | 940 |

WEST ROXBURY

| | | | | | | | |
|----------------------------|---|---|---|---|---|---|-----|
| Altacrest road | . | . | . | . | . | . | 280 |
| Aldwin road | . | . | . | . | . | . | 150 |
| Atwill Road Extension | . | . | . | . | . | . | 240 |
| Bobolink street | . | . | . | . | . | . | 380 |
| Gilmore terrace | . | . | . | . | . | . | 200 |
| Meyer street | . | . | . | . | . | . | 620 |
| Pheasant street | . | . | . | . | . | . | 330 |
| Sigourney Street Extension | . | . | . | . | . | . | 860 |

There were 14 surveys and plans made for the widening and relocation of .90 miles of public highways, as follows:

| District | Length in Feet |
|----------|-------------------|
|----------|-------------------|

BOSTON PROPER:

| | | | | | | | |
|----------------------------------|---|---|---|---|---|---|-------|
| Belvidere street | . | . | . | . | . | . | 1,280 |
| Harrison avenue and Dover street | . | . | . | . | . | . | 60 |
| Tyler street and Curve street | . | . | . | . | . | . | 38 |
| West Newton street | . | . | . | . | . | . | 160 |

DORCHESTER:

| | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|-----|
| Harvard street and Walk Hill street | . | . | . | . | . | . | 191 |
| Hill Top street and Hallet street | . | . | . | . | . | . | 31 |
| Willow court | . | . | . | . | . | . | 880 |

HYDE PARK:

| | |
|---------------------------|-------|
| Prescott street | 1,300 |
|---------------------------|-------|

ROXBURY:

| | |
|---|-----|
| Ceylon street and Quincy street | 83 |
| Huntington avenue | 580 |

There were 5 surveys and plans made for the discontinuance of .10 miles of public highways, as follows:

| <i>District</i> | <i>Length in Feet</i> |
|-----------------|---------------------------|
|-----------------|---------------------------|

BOSTON PROPER:

| | |
|------------------------------|-----|
| Blackstone street | 80 |
| Clinton street | 68 |
| Dalton street | 275 |
| West Newton street | 160 |

SOUTH BOSTON:

| | |
|-------------------------|----|
| Gillette park | 17 |
|-------------------------|----|

There were 2 surveys and plans made for the discontinuance of the following sewer easements:

| <i>District</i> | <i>Length in Feet</i> |
|-----------------|---------------------------|
|-----------------|---------------------------|

WEST ROXBURY:

| | |
|--|-----|
| Bertson avenue and Dent street | 100 |
| Dow road | 60 |

There were 23 surveys and plans made for the alteration (specific repair) of 3.60 miles of public highways, as follows:

| <i>District</i> | <i>Length in Feet</i> |
|-----------------|---------------------------|
|-----------------|---------------------------|

BOSTON PROPER:

| | |
|--|-------|
| Columbus avenue and Stuart street | 8,910 |
| Huntington avenue, Norway street to Gainsboro street | 1,260 |

BRIGHTON:

| | |
|-------------------------------|-------|
| Commonwealth avenue | 5,300 |
|-------------------------------|-------|

CHARLESTOWN:

| | |
|--|--------|
| Chelsea street and Gray street | 21 |
| Sullivan square | island |

DORCHESTER:

| | |
|--|--------|
| Babson street and Norfolk street | island |
| Dorchester avenue | 4,600 |
| Fairmount avenue and Washington street | island |
| Hancock street and Pleasant street | island |

EAST BOSTON:

| | |
|---|--------|
| Bennington street and Porter street | island |
| William C. Kelly square | island |
| Maverick square | island |
| Meridian street and Porter street | island |
| Saratoga street | 360 |

HYDE PARK:

| | |
|---|--------|
| Fairmount avenue and River street | island |
| Milton street and Sprague street | island |

ROXBURY:

| | |
|---|--------|
| Centre street and Tremont street (Columbus avenue) | 2,270 |
| Newmarket square, Glynn Way | island |
| Simmons street | 630 |

SOUTH BOSTON:

| | |
|-------------------------|-------|
| West Broadway | 4,000 |
|-------------------------|-------|

WEST ROXBURY:

| | |
|---|--------|
| Crehore road | 100 |
| South Huntington avenue and Centre street | island |
| South street and Washington street | island |

There were 23 surveys and plans made for the taking of 1.50 miles of easements for sewerage purposes, as follows:

| <i>District</i> | <i>Length in Feet</i> |
|-------------------------------------|---------------------------|
| BOSTON PROPER: | |
| Central and Kilby streets | 55 |
| Hereford street | 180 |

DORCHESTER:

| | |
|-----------------------------|-----|
| Manchester street | 570 |
| Manor street | 705 |
| St. Clare road | 150 |

EAST BOSTON:

| | |
|--|-----|
| Bennington street and Belle Island Inlet | 347 |
|--|-----|

HYDE PARK:

| | |
|--------------------------|-----|
| Asheville road | 525 |
| Austin street | 185 |
| Beech street | 650 |
| Sherrin street | 400 |
| Windham street | 240 |

ROXBURY:

| | |
|--------------------------|----|
| Kenway terrace | 15 |
|--------------------------|----|

WEST ROXBURY:

| | |
|-----------------------------|-----|
| Highfield terrace | 155 |
| Lyall terrace | 210 |
| Florian street | 480 |
| Florian Way | 290 |
| Martinwood road | 50 |
| Moreland street | 435 |

For the Public Works Department (Central Office) a study plan was prepared of Huntington avenue, Tremont street, St. Alphonsus street, Heath street and South Huntington avenue, Roxbury.

For the Public Works Department (Highway Division), fifty (50) highways were staked out for construction.

For the Public Works Department (Sewer Division), sixty-seven (67) catch basins were staked out. Also, forty-five (45) drainage surveys and reports were made.

For the City Council plans were prepared of public land, private off-street parking locations and historical sites and Boston-Winthrop boundary lines.

For the Real Property Department plans were prepared of Northern avenue, Boston Proper, Willow court, Dorchester, and Meyer street, West Roxbury. Property surveys were made of off-street parking locations at Clinton street and Fort Hill square, Boston Proper.

For the Park Department plans were prepared of Hemenway and Forsyth streets, Roxbury, Sigourney street, West Roxbury, Parkman and Christopher streets, Dorchester. A property survey was made of Hanson street, Boston Proper, Playground and Hyde Park avenue and Glenwood avenue, Hyde Park.

For the Building Department zoning district boundary lines were marked at Roxbury Court House; 446 Western avenue, Brighton; and Howard street, Boston Proper.

For the Law Department a plan was prepared of Elm street and Everett street, West Roxbury.

For the Fire Department a survey and plan was prepared of Moon Island, Boston Harbor, and a topographical plan of Fire Department site at Tremont and West Concord streets, Boston Proper.

Stone Bounds: In accordance with a policy established in 1950, stone bounds were set and drilled on the following newly constructed streets:

| STREET | DISTRICT | NUMBER OF BOUNDS |
|-----------------------------|-------------------|------------------|
| Alvarado avenue..... | Hyde Park..... | 1 |
| Ansonia road..... | West Roxbury..... | 7 |
| Bowditch road..... | West Roxbury..... | 2 |
| Brockton street..... | West Roxbury..... | 3 |
| Brush Hill terrace..... | Hyde Park..... | 4 |
| Byrd avenue..... | West Roxbury..... | 3 |
| Caltha road..... | Brighton..... | 1 |
| Canterbury street..... | West Roxbury..... | 1 |
| Crestwood park..... | Roxbury..... | 2 |
| Dalin place..... | Roxbury..... | 2 |
| Delford street..... | West Roxbury..... | 1 |
| Derry road..... | Hyde Park..... | 3 |
| DeStefano road..... | West Roxbury..... | 2 |
| Driftwood road..... | West Roxbury..... | 3 |
| Eatonia street..... | Brighton..... | 1 |
| Farwell avenue..... | Hyde Park..... | 1 |
| Glenley terrace..... | Brighton..... | 1 |
| Greenwood Circle..... | Hyde Park..... | 3 |
| Harrow street..... | Dorchester..... | 3 |
| Highfield street..... | West Roxbury..... | 2 |
| Hillis road..... | Hyde Park..... | 1 |
| Howard place..... | Dorchester..... | 4 |
| Huntington avenue..... | Hyde Park..... | 2 |
| Maple Street Extension..... | West Roxbury..... | 3 |
| Marlin road..... | West Roxbury..... | 2 |
| Melba road..... | Hyde Park..... | 1 |
| Meyer street..... | West Roxbury..... | 2 |
| Mossdale road..... | West Roxbury..... | 9 |
| New Bedford street..... | Hyde Park..... | 1 |
| Poplar street..... | West Roxbury..... | 4 |
| Quinn Way..... | West Roxbury..... | 4 |
| Reynolds road..... | Brighton..... | 1 |
| Rocky Nook terrace..... | West Roxbury..... | 1 |
| Rosecliff terrace..... | West Roxbury..... | 2 |
| Safford street..... | Hyde Park..... | 8 |
| Sherbrook street..... | West Roxbury..... | 1 |
| Solaris road..... | Hyde Park..... | 1 |
| Summit avenue..... | Hyde Park..... | 22 |
| Tanglewood road..... | Dorchester..... | 1 |

| | | |
|--------------------------------|-------------------|---|
| Vallaro road..... | Hyde Park..... | 2 |
| Veterans of Foreign Wars Pkwy. | West Roxbury..... | 3 |
| West Sorrento street..... | Brighton..... | 1 |
| Wyvern street..... | West Roxbury..... | 1 |

Reproduction Work: On January 1, 1957, a new policy requiring signed requisitions for all reproduction work was put into effect. Also, a charge to the public of \$1 per copy was begun in accordance with a revised schedule of fees established by the City Council, December 1, 1957.

The new fee schedule brought an income of \$240 to this division from the sale of copies of its plans and records. Other departments and divisions likewise received substantial new revenues from the sale of copies produced by our reproduction service.

Following is the report of reproduction work of the division for the year 1958:

| DEPARTMENT | PHSTS | BPS | OZS | APS |
|--------------------------------|--------|-------|--------|-----|
| Administrative Services..... | 910 | | 291 | |
| Assessing..... | 778 | | 1,717 | 20 |
| Auditing..... | 330 | | | |
| Building Department..... | 1,056 | | 910 | |
| City Clerk..... | 554 | | 420 | 3 |
| City Council..... | 1,896 | | 650 | |
| Civil Defense..... | 358 | | 70 | |
| Collecting..... | 148 | | | |
| Compensation Review Board..... | 936 | | | |
| Election..... | 48 | | | |
| Finance Commission..... | 86 | | | |
| Fire Department..... | 248 | | 209 | |
| Health Department..... | 664 | | 89 | |
| Law Department..... | 684 | | 250 | |
| Mayor's Office..... | 1,876 | 25 | 344 | |
| Park Department..... | | | 51 | |
| Penal Institutions..... | 130 | | 538 | |
| Planning Board..... | 1,096 | 33 | 1,298 | 4 |
| Public Buildings..... | 112 | | | |
| Public Works: | | | | |
| Bridge Division..... | 236 | | 811 | |
| Highway Division..... | 532 | 39 | 1,912 | 14 |
| Permit Office..... | 88 | | 190 | |
| Central Office..... | 250 | | 131 | |
| Sanitary Division..... | 248 | | 419 | |
| Sewer Division..... | 1,004 | 13 | 619 | |
| Street Lighting..... | 146 | | 509 | |
| Water Division..... | 294 | 6 | 456 | |
| Survey Division..... | 3,593 | 1,289 | 10,825 | 601 |
| Real Property..... | 1,338 | 15 | 1,558 | |
| Registry..... | 554 | | | |
| School Buildings..... | 224 | | 161 | |
| School Committee..... | 56 | | | |
| Traffic Commission..... | 332 | | | |
| Treasury..... | 196 | | | |
| Veterans Services..... | 1,847 | | 22 | |
| White Fund..... | 484 | | 180 | |
| Total..... | 23,442 | 1,420 | 24,530 | 642 |

Photographic Service: In carrying out a policy introduced in 1956, we have established a Photographic Service for the Public Works Department and other city departments. As a part of this program we now take photographs of the location of all new highway layouts and proposed improvements, and lands taken for municipal purposes. The following is a summary of this work during the year 1958:

| | Nega- | 4 x 5 | 8 x 10 |
|------------------------------------|-------|--------|--------|
| | Tives | Prints | Prints |
| Building Department..... | 80 | | 80 |
| Public Works Department: | | | |
| Automotive Division..... | 65 | | 65 |
| Bridge Division..... | 192 | 142 | 136 |
| Central Office..... | 245 | | 245 |
| Highway Division..... | 116 | 116 | |
| Public Improvement Commission..... | 118 | | 118 |
| Sanitary Division..... | 318 | 318 | 160 |
| Sewer Division..... | 184 | 184 | |
| Survey Division..... | 1,700 | 1,700 | 250 |
| Water Division..... | 56 | 56 | |
| Real Property Department..... | 225 | 60 | 225 |
| Miscellaneous..... | 118 | 118 | 72 |
| Total..... | 3,417 | 2,694 | 1,351 |

Preparation of the following private ways for public travel, as provided for in Chapter 393, Acts of 1906, as amended, was approved by the Public Improvement Commission to be done under the general supervision of engineers of this division:

| | |
|-----------------------------|--------------|
| Dow road | West Roxbury |
| Florian Way : | West Roxbury |
| Highfield terrace | West Roxbury |
| Manor street | Dorchester |
| Maplewood street | West Roxbury |
| Martinwood road | West Roxbury |
| Matignon road | Dorchester |
| Mattapan street | Dorchester |
| Moreland street | West Roxbury |
| St. Clare road | Dorchester |
| Sherrin street | Hyde Park |
| Slocum road | West Roxbury |
| Windham road | Hyde Park |

Engineering Services: This is the tenth annual report submitted by the undersigned. From 1949 to 1954 as Chief Engineer of the old Street Laying-Out Department, and from 1954 to date as Survey Division Engineer, I have been primarily concerned with the mainte-

nance and development of professional engineering services for public works and other city activities. During this entire period, the strength and caliber of the city engineering forces has suffered seriously. We lose the better men to more attractive positions paying higher salaries. Likewise, we are unable to attract competent men to the beginning grades. As a result, our engineering program is suffering seriously. In this division we are attempting to carry on with a total of 38 employees the work formerly done by 73, with the 38 comparing unfavorably in training and experience with the former group. And, to make the problem more serious, we are assigned many new functions. These include construction surveys, highway construction plans, specific repair plans, setting of stone bounds on new streets, inspection of private way construction, and reviewing plot plans for all new buildings in the city.

Our reproduction work, which originally consisted of making blueprints of our own Engineering Division plans, now also includes the making of blueprints, ozalids, autopositives, and photostatic copies for most city departments.

We have also established a full-time photographic service.

Redevelopment programs are now looming larger and larger in both city engineering and public works programs. Urban redevelopment involves discontinuance of old streets and laying out new ones. Currently we are making a comprehensive survey of all the streets in the so-called "Government Center" area. This work covers the re-establishment of approximately 7 miles of street lines in a section probably without compare in the entire country for crooked and irregular streets.

Attempting to carry on all of this work with an inadequate force means incomplete projects and postponement of whatever can be put off. Obviously we perform no miracles. We are forced to operate on a day-to-day basis which, in the long run, will prove to be the most inefficient and expensive way to accomplish an effective engineering program. Low pay, short-handed survey parties, and "short-cut" engineering have all had an adverse affect on morale, making the general problem more serious each year.

It is recommended that a careful study be made of the entire matter of municipal engineering. In my opinion "consultants" should be engaged for large or special

projects, but this will do little to solve our problem. A new fresh policy must be established, fixing qualifications, duties, wages, and general working conditions for engineering personnel that will compare favorably with similar positions in other Government and private activities.

Damages: During 1958, 133 land damage reports recommending awards totaling \$36,305.95 were submitted to the Public Improvement Commission.

Assessments: During the period reported on, estimates of benefit for assessment purposes were prepared amounting to \$255,861.50. These estimates are included in orders for street and sewer improvements. Also, final assessments were prepared amounting to \$305,031.65.

Respectfully submitted,

JAMES W. HALEY,
Division Engineer.

APPENDIX G

REPORT OF DIVISION ENGINEER OF THE
WATER DIVISION

BOSTON, January 2, 1959.

To the Commissioner of Public Works.

DEAR SIR:

I respectfully submit the following report of the activities of the Water Division, operations and expenditures for the fiscal year ending December 31, 1958.

During the year a total of 17,810.4 linear feet, or 3.37 miles of main pipe was laid or relaid, varying in size from 4 inches to 12 inches, and 569 applications were received for installation of new service pipes, enlarged service pipes, and fire pipes, etc., into new or remodeled buildings.

There were 23 petitions received for the extension of water mains. The particular streets in which the above work was performed are shown on the accompanying tables.

The districts in which the main pipe was laid and relaid are as follows:

| DISTRICT | LAID Linear Feet | RELAID Linear Feet |
|------------------------|---------------------|-----------------------|
| City Proper | 114.0 | 827.0 |
| East Boston | 46.1 | 2,074.8 |
| Dorchester | 3,051.7 | 2,844.0 |
| Hyde Park | 603.0 | 0 |
| West Roxbury | 6,276.8 | 101.0 |
| Roxbury | 1,872.0 | 0 |

Under the provisions of Chapter 4 of the Ordinances of 1952, which deals with capital improvements, the Water Division submitted a capital improvement program, which program was not followed to any great extent due to the fact that all available funds were needed to extend water mains to provide water into residential areas.

ENGINEERING OFFICE

The office force maintained its usual service to the public with information in relation to the Water Division, estimates on new service pipes, making out contracts, assisting the yard forces on Water Division matters, compiling official data, bringing record plans to date, supervising all construction and snow removal in areas Nos. 4 and 5.

The engineering forces assisted in design and supervision of water mains for the following major projects, their status being as follows:

Central Artery

Fort Hill square to Kneeland street — completed.

Kneeland street to beyond Dover street — design completed and under construction.

Dover Street Bridge — syphon under channel discontinued and new trestle built for 20-inch L.S. and 12-inch H.S.

Southeast Expressway

Roxbury Canal, across Southampton street to William T. Morrissey Boulevard — design completed and under construction.

William T. Morrissey Boulevard to Milton line — completed.

Projects being studied and in various stages of progress are as follows:

(a) Reinforce southern section of West Roxbury by utilizing abandoned Brookline water mains.

(b) Reinforce Stony Brook section of Hyde Park with H.S.

(c) Reinforce Low Service, Roxbury and South Boston, by cleaning and lining 30-inch-24-inch main, Roxbury Crossing to Andrew square.

(d) Storage building for water works supplies in Albany Street yard.

(e) Warren Bridge, relocation of 20-inch L.S. and 16-inch H.S. to allow demolition of bridge.

(f) Extension of M.T.A. Highland Division from Beacon street at Maitland street, plans completed and under construction.

Hydrants: There were 23 new hydrants established, 101 hydrants changed, and 7 hydrants abandoned.

Summation: System relaid 1.11 miles, extended 2.27 miles, 23 hydrants established and 7 hydrants abandoned — an increase of 16 hydrants.

THE DISTRIBUTION BRANCH

The Distribution Branch, consisting of the main yard at 710 Albany street (with a small subyard in Charlestown) and three district yards, is responsible for the repair and maintenance of main pipes, service and fire pipes, hydrants, gates, and providing emergency and general service to the public. The main yard maintains emergency crews around the clock for any water service that might be required in any section of the city.

The main yard and three district yards were assisted by three contracting firms, one in each yard, with one contractor having two districts. The contractual work consisted of excavation and back-filling to allow the Water Division employees to repair leaks, lay or relay water services, change hydrants, and repair or replace defective water appurtenances. This contractual work was performed in a satisfactory manner and proved its value by giving service to the public.

DISTRICT YARDS

The district yard forces were utilized in repairs of main pipe leaks, installation of new service pipes, new fire pipes, service pipe repairs, fire pipe repairs, meter changes, off and on calls, and general maintenance service to the public.

THE MACHINE SHOP

The machine shop and plumbing shop handled all drilling of services in the main yard and assisted in case of emergency in the district yards. The machine shop continues to machine and assemble all new gates up to and including 12 inches, tapping gates up to 6 inches. Gates 16 inches and larger are now purchased under contract made under specifications of New York Pattern, M.D.C. Type. They machine and assemble all hydrants, repair defective hydrants, repair in the ground if possible defective gates, and rebuild gates both corporation, tapping, and high pressure. Along with this work they — both the plumbing and machine shop — are called on to assist other branches of the Public Works Department in many special jobs.

THE METER BRANCH

The meter shop handled a total of 11,026 meters, divided as follows:

| | |
|--|-----------|
| Meters applied on new services | 492 |
| Meters discontinued | 1,627 |
| Meters changed out | 5,662 |
| Meters changed in | 5,570 |
| Meters tested in shop | 159 |
| Meters repaired in service | 553 |
| Meters repaired in shop | 435 |
| Meters reset | 906 |
| Meters junked | 1,284 |
| Total | <hr/> |
| | 16,688 |

BUSINESS OFFICE

This office performs all the work related to the processing of bills to property owners for water used and the maintenance of water meters.

These operations include receiving applications for new services and fire pipes; reading 95,000 meters quarterly; computing and preparing 382,000 bills amounting to \$6,014,801.04; keeping account of paid and unpaid bills; testing, repairing, installing, and removing water meters; and receiving complaints from the water-consuming public.

It is unfortunate that for many years the surplus of the Water Division was not allowed to accumulate a reserve fund which would have been available when water receipts failed to meet expenditures.

1958

| | |
|--|-----|
| Main pipe petitions recorded in Registry | 6 |
| Domestic service applications | 517 |
| Fire pipe applications | 52 |
| Special meter tests | 32 |
| Hydrant permits issued | 12 |
| Repair deposits received | 93 |
| Miscellaneous deposits | 29 |

APPROPRIATIONS, EXPENDITURES, AND REVENUE

| | |
|---|-----------------------|
| Budget appropriation, 1958 | \$2,822,901 18 |
| Amount expended | <hr/> 2,255,144 79 |
| Amount of money collected from all sources during the year 1958 | \$6,056,716 55 |
| Amount expended from all sources | <hr/> 5,977,791 74 |
| Surplus | <hr/> \$78,924 81 |

The metropolitan assessment for 1958 amounted to \$3,283,217.68, at the rate of \$80 per million gallons, and decrease of \$45,479.00 under the assessment of 1957, based on the \$80 per million gallon rate.

| | |
|--|----------------|
| Total amount billed for 1958 | \$6,212,601 61 |
| Total amount collected for 1958 bills, as of December 31, 1958 | 4,656,361 78 |
| Total amount abated for 1958 bills, as of December 31, 1958 | 20,907 23 |
| Total amount collected in 1958 on bills rendered prior to 1958 | 518,673 72 |

By Chapter 487, Acts of 1954, entitled "An Act Relative to Liens for Water Rates and Charges," effective January 1, 1955, the law was changed so that liens for water rates take effect by operation of law without the necessity of recording a lien statement at the Registry of Deeds.

The issuance of statements of outstanding water bills to the consumers at the end of the year has been continued as a courtesy to the customer.

Respectfully submitted,

D. M. SULLIVAN,
Division Engineer.

WATER SERVICE, 1958

| | |
|----------------------------------|-------------------|
| Balances from 1957: | |
| Water Service Receipts | \$97,607 45 |
| Water Service | <u>131,863 18</u> |
| | \$229,470 63 |

| | |
|------------------------------------|------------------|
| Receipts in 1958: | |
| Water Rates and Services | \$6,014,801 04 |
| Tax Titles, Water | <u>41,915 51</u> |
| | 6,056,716 55 |
| | \$6,286,187 18 |

| | |
|---|-------------------|
| Expenditures in 1958: | |
| Pensions and Annuities | \$241,005 24 |
| Water Division | 2,255,144 79 |
| Refunds | 361 40 |
| Metropolitan Water Assessment | 3,283,217 68 |
| Collecting, Water | <u>145,352 00</u> |
| Automotive, Water | 118,007 00 |
| | 6,043,088 11 |
| | \$243,099 07 |

| | |
|--|--------------|
| Transfer of 1957 Surplus | \$97,607 45 |
| Carried Forward to 1959 Water Division | \$145,491 62 |
| Surplus | 66,566 81 |

Water Division, 1958

Construction account:

| | |
|--|-----------------|
| Extension of mains (from revenue) | |
| Cost of construction Dec. 31, 1958 | \$25,521,311 24 |
| Cost of construction Dec. 31, 1957 | 25,439,829 36 |
| | |
| Increase in plant cost during 1958 | \$81,481 88 |
| Cost of existing works Dec. 31, 1958: | |
| Pipe yards and buildings | \$100,332 16 |
| Distribution system | 25,439,829 36 |
| Hyde Park water works | 175,000 00 |
| | |
| | \$25,715,161 52 |
| | 2,448,340 64 |
| | |
| | \$28,163,502 16 |

**WATER STATISTICS FOR THE FISCAL YEAR ENDING
DECEMBER 31, 1958***Mains*

Kind of pipe: cast-iron, wrought-iron, steel.

Size, 2-inch to 48-inch.

Extended miles, 2.2.

Size enlarged miles, .7 miles.

Total miles now in use, 1,033.

Public hydrants added, 16.

Public hydrants now in use, 12,559.

Stop gates added, 27.

Stop gates now in use, 16,580.

Number of blowoffs, 857.

Range of pressure on mains, 30 to 90 pounds.

Services

Kind of pipe and size:

½-inch to 2 inches in diameter of lead or copper.

4 inches and 6 inches in diameter of cast-iron.

| | |
|---|-----|
| Domestic service applications | 517 |
| Fire pipe applications | 52 |

SHUTTING OFF AND TURNING ON WATER IN 1958

| | |
|--|--------|
| Number of shutoffs for repairs | 5,370 |
| Number of premises turned on after repairs | 4,767 |
| Number of shutoffs for vacancy | 609 |
| Number of premises turned on for occupancy | 118 |
| Number of premises shut off for nonpayment of water rates | 13 |
| Number of premises turned on again after being shut off for nonpayment | 4 |
| Number of premises shut off on account of waste | 40 |
| Number of premises turned on again after being shut off for waste | 3 |
| Number of new service pipes turned on for the first time | 318 |
| | |
| Total number of times water was shut off or turned on | 11,302 |

TABLE NO. I. STATEMENT OF WORK DONE DURING THE YEAR 1958

| MAKE | Applied | Discontinued | METERS CHANGED | | Repaired and Tested in Shop | Repaired in Service | Reset | Junked |
|-----------------------|---------|--------------|-------------------|-------|--------------------------------|------------------------|-------|--------|
| | | | Out | In | | | | |
| Hersey..... | 466 | 1,467 | 4,626 | 5,446 | 423 | 481 | 893 | 202 |
| Watch Dog..... | 17 | 124 | 773 | 123 | 7 | 69 | 13 | 739 |
| King..... | | 5 | 104 | .. | | 1 | .. | 161 |
| Worthington..... | | 28 | 249 | .. | | | | 147 |
| American..... | | | 4 | .. | | | | 4 |
| Federal..... | | 1 | 30 | .. | | | | 31 |
| Sparling..... | | 1 | 2 | .. | | | | .. |
| Nash..... | | | 1 | .. | | | | .. |
| Arctic..... | | | 4 | 1 | 5 | 1 | .. | .. |
| Trident..... | | | 4 | .. | | 1 | | .. |
| Lambert..... | | | 1 | .. | | | | .. |
| Empire..... | | | .. | .. | | | | .. |
| Crown..... | | | 1 | .. | | | | .. |
| Keystone..... | | | .. | .. | | | | .. |
| Pitt..... | | | .. | .. | | | | .. |
| Connection piece..... | 9 | 1 | 814 | 1,248 | .. | | | .. |
| Totals..... | 492 | 1,627 | 6,613 | 6,818 | 435 | 553 | 906 | 1,284 |

TABLE NO. 2. METERS IN SERVICE, DECEMBER 31, 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|------------------|--------------------|-------|-------|--------|-------|------|------|------|------|------|------|--------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 71,729 | 5,506 | 2,478 | 1,446 | 1,016 | 359 | 426 | 127 | 37 | 18 | .... | 82,692 |
| Watch Dog..... | 7,301 | 234 | 339 | 761 | 412 | 234 | 68 | .... | .... | .... | .... | 9,349 |
| King..... | 372 | 7 | 3 | 8 | 3 | .... | .... | .... | .... | .... | .... | 393 |
| Worthington..... | 951 | 6 | .... | 6 | 4 | .... | .... | .... | .... | .... | .... | 967 |
| American..... | 45 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 45 |
| Federal..... | 17 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 17 |
| Crown..... | .... | 1 | .... | .... | .... | 4 | .... | 1 | 1 | .... | .... | 7 |
| Nash..... | 7 | 1 | .... | .... | .... | 1 | .... | .... | .... | .... | .... | 9 |
| Lambert..... | 2 | .... | .... | .... | .... | .... | 1 | 1 | .... | .... | .... | 4 |
| Arctic..... | .... | 1 | .... | 14 | 15 | 15 | 6 | 2 | .... | .... | .... | 53 |
| Trident..... | 1 | .... | .... | .... | .... | 20 | 8 | .... | .... | .... | .... | 29 |
| Keystone..... | 2 | .... | .... | .... | .... | .... | 1 | .... | .... | .... | .... | 3 |
| Empire..... | 1 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 |
| Neptune..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Sparling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Totals..... | 80,428 | 5,306 | 2,820 | 12,235 | 1,455 | 630 | 510 | 130 | 37 | 18 | .... | 93,569 |

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|---|--------------------|-----|-----|-------|-----|----|----|----|---|------|------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Connection Pieces (regular)..... | 2,734 | 210 | 79 | 24 | 35 | 17 | 4 | 6 | 4 | .... | .... | 3,113 |
| City of Boston, Connection Pieces..... | 49 | 4 | 27 | 82 | 165 | 69 | 26 | 7 | 1 | 1 | 10 | 441 |
| Total..... | 2,783 | 214 | 106 | 106 | 200 | 86 | 30 | 13 | 5 | 1 | 10 | 3,554 |

TABLE NO. 3. METERS IN SHOP, DECEMBER 31, 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | | Total |
|----------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | | |
| OLD | | | | | | | | | | | | | |
| Hersey Disc..... | 700 | 48 | 45 | ..... | 8 | 11 | 3 | ..... | ..... | ..... | ..... | ..... | 815 |
| Hersey Compound Train..... | ..... | ..... | ..... | ..... | ..... | 1 | 1 | 1 | ..... | ..... | ..... | ..... | 3 |
| Hersey Detector..... | ..... | ..... | ..... | ..... | ..... | 7 | 7 | 7 | 7 | 3 | 1 | ..... | 25 |
| Hersey Model "D"..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | 1 |
| Watch Dog..... | ..... | ..... | ..... | 3 | 4 | 8 | 6 | ..... | ..... | ..... | ..... | ..... | 21 |
| Total..... | 700 | 48 | 45 | 3 | 12 | 20 | 17 | 9 | 7 | 3 | 1 | ..... | 865 |
| NEW* | | | | | | | | | | | | | |
| Hersey..... | ..... | ..... | ..... | ..... | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 |

TABLE NO. 4. METERS REPAIRED IN SHOP IN 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | | Total |
|----------------|--------------------|-------|-------|-------|----|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | | |
| Hersey..... | 160 | 68 | 10 | 80 | 60 | 21 | 17 | 6 | 1 | ..... | ..... | ..... | 423 |
| Watch Dog..... | ..... | ..... | ..... | 2 | 1 | 2 | 2 | ..... | ..... | ..... | ..... | ..... | 7 |
| Arctic..... | ..... | ..... | ..... | 1 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5 |
| Total..... | 160 | 68 | 10 | 83 | 65 | 23 | 19 | 6 | 1 | ..... | ..... | ..... | 435 |

TABLE NO. 4A. METERS AWAITING REPAIR OR REBUILDING

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | | Total |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | | |
| Hersey..... | 2,578 | 258 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,763 |
| Watch Dog..... | ..... | ..... | ..... | ..... | ..... | 4 | 1 | ..... | ..... | ..... | ..... | ..... | 5 |
| Arctic..... | ..... | ..... | ..... | 1 | ..... | 5 | 3 | ..... | ..... | ..... | ..... | ..... | 9 |
| Trident..... | ..... | ..... | ..... | ..... | ..... | 6 | 1 | ..... | ..... | ..... | ..... | ..... | 7 |
| Total..... | 2,578 | 258 | ..... | 1 | ..... | 15 | 5 | ..... | ..... | ..... | ..... | ..... | 2,784 |

TABLE NO. 5. METERS REPAIRED AND REBUILT AT FACTORY IN 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 2,976 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,976 |
| Watch Dog..... | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 |
| Total..... | 2,986 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,986 |

TABLE NO. 5A. METERS PURCHASED NEW IN 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|-------------|--------------------|-----|----|-------|----|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | | 100 | 75 | 10 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | 1 208 |

TABLE NO. 6. METERS RESET IN 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|----------------|--------------------|-------|-------|-------|----|---|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 827 | 35 | 16 | 5 | 5 | 3 | ..... | 2 | ..... | ..... | ..... | 893 |
| Watch Dog..... | 2 | ..... | ..... | 5 | 5 | 1 | ..... | ..... | ..... | ..... | ..... | 13 |
| Total..... | 829 | 35 | 16 | 10 | 10 | 4 | ..... | 2 | ..... | ..... | ..... | 906 |

Connection pieces removed..... 817
Occupancy..... 89

Total..... 906

TABLE NO. 7A. METERS CHANGED IN 1958. METERS TAKEN OUT

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|------------------|--------------------|------|------|-------|------|------|------|------|------|------|------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 4,014 | 269 | 166 | 77 | 62 | 18 | 15 | 5 | .... | .... | 1 | 4,626 |
| Watch Dog..... | 607 | 27 | 36 | 37 | 28 | 32 | 6 | .... | .... | .... | .... | 773 |
| Worthington..... | 106 | .... | .... | .... | .... | 4 | .... | .... | .... | .... | .... | 110 |
| King..... | 103 | .... | 1 | .... | .... | .... | .... | .... | .... | .... | .... | 104 |
| American..... | 4 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 4 |
| Federal..... | 30 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 30 |
| Nash..... | 1 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 |
| Trident..... | .... | .... | .... | .... | .... | 3 | 1 | .... | .... | .... | .... | 4 |
| Lambert..... | 1 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 |
| Crown..... | .... | .... | 1 | .... | .... | .... | .... | .... | .... | .... | .... | 1 |
| Arctic..... | .... | .... | .... | 1 | 1 | 1 | 1 | .... | .... | .... | .... | 4 |
| Sparling..... | .... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | 2 |
| Total..... | 4,867 | 296 | 204 | 115 | 91 | 58 | 23 | 7 | .... | .... | 1 | 5,662 |

TABLE NO. 7B. METERS CHANGED IN 1958. METERS PUT IN

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|----------------|--------------------|------|------|-------|------|------|------|------|------|------|------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 4,680 | 281 | 181 | 183 | 67 | 28 | 16 | 9 | | | 1 | 5,446 |
| Watch Dog..... | 15 | | 2 | 41 | 30 | 38 | 7 | | | | | 123 |
| Arctic..... | | | | 1 | | | | | | | | 1 |
| Total..... | 4,695 | 281 | 183 | 225 | 97 | 66 | 23 | 9 | | | 1 | 5,570 |

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TABLE NO. 8. METERS REPAIRED IN SERVICE

| MAKE. | Defaced and Broken Clocks | Spindle Leaks | Coupling Leaks | New Train | Broken Gears | Examinations | Repair Train | Total |
|----------------|------------------------------|---------------|----------------|-----------|--------------|--------------|--------------|-------|
| Hersey..... | 94 | 212 | 26 | 5 | 2 | 140 | 2 | 481 |
| Watch Dog..... | 15 | 43 | 5 | 1 | ..... | 4 | 1 | 69 |
| King..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | 1 |
| Arctic..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | 1 |
| Trident..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Total..... | 110 | 257 | 31 | 6 | 2 | 145 | 2 | 553 |

TABLE NO. 9. METERS APPLIED IN 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|---|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 369 | 15 | 15 | 36 | 14 | 6 | 6 | 5 | ..... | ..... | ..... | 466 |
| Watch Dog..... | ..... | ..... | ..... | 7 | 4 | 3 | 3 | ..... | ..... | ..... | ..... | 17 |
| Connection Piece..... | 4 | ..... | 1 | ..... | 3 | ..... | 1 | ..... | ..... | ..... | ..... | 9 |
| Total..... | 373 | 15 | 16 | 43 | 21 | 9 | 10 | 5 | ..... | ..... | ..... | 492 |
| Meters applied on old service..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 17 | ..... | ..... | ..... | ..... |
| Meters applied on new service..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 466 | ..... | ..... | ..... | ..... |
| Connection pieces applied on new service..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9 | ..... | ..... | ..... | ..... |
| Total..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 492 | ..... | ..... | ..... | ..... |

TABLE NO. 10. METERS DISCONTINUED IN 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|-----------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 1,297 | 90 | 42 | 17 | 13 | ..... | 6 | 2 | ..... | ..... | ..... | 1,467 |
| Watch Dog..... | 103 | 3 | 3 | 5 | 5 | 4 | 1 | ..... | ..... | ..... | ..... | 124 |
| Worthington..... | 25 | ..... | ..... | ..... | ..... | 3 | ..... | ..... | ..... | ..... | ..... | 28 |
| King..... | 4 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5 |
| Sparling..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | 1 |
| Federal..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Connection Piece..... | 1 | | | | | | | | | | | 1 |
| Total..... | 1,432 | 93 | 46 | 22 | 18 | 7 | 7 | 3 | | | | 1,627 |

PUBLIC WORKS DEPARTMENT

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TABLE NO. 11. REASON FOR METER CHANGE IN YEAR 1958

| MAKE | Do Not Register | Coupling Leak | Spindle Leak | Department Test | Special Test | Noisy Meter | Enlarged Meter | Set Backwards | Clock Broken | No Force | Frost |
|------------------|-----------------|---------------|--------------|-----------------|--------------|-------------|----------------|---------------|--------------|----------|-------|
| Hersey..... | 2,404 | 18 | 720 | 110 | 28 | 68 | 47 | 31 | 57 | 72 | 171 |
| Watch Dog..... | 442 | 2 | 154 | 16 | 3 | ..... | 2 | 1 | 4 | 5 | 14 |
| Worthington..... | 66 | 2 | 22 | 1 | ..... | ..... | ..... | 1 | 2 | 1 | ..... |
| King..... | 36 | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 |
| American..... | 4 | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Federal..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Trident..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... |
| Arctic..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Crown..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Lambert..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total..... | 2,958 | 23 | 903 | 128 | 31 | 68 | 49 | 33 | 64 | 78 | 188 |

TABLE NO. 12. METERS JUNKED IN 1958

| MAKE | DIAMETER IN INCHES | | | | | | | | | | | Total |
|------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5/8 | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 6 | 8 | 10 | 12 | |
| Hersey..... | 186 | 5 | 4 | ..... | 1 | ..... | 3 | 2 | 1 | ..... | ..... | 202 |
| Watch Dog..... | 601 | 68 | 9 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 679 |
| King..... | 160 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 161 |
| Worthington..... | 147 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 147 |
| Federal..... | 32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 32 |
| American..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5 |
| Total..... | 1,131 | 73 | 14 | ..... | 2 | ..... | 3 | 2 | 1 | ..... | ..... | 1,226 |

NOTE: The number of meters lost in service in 1958 amounts to 337.

TABLE NO. 1.

Showing Length of Water Pipes and Connections Owned and Operated by Public Works Department, Water Division,
Water Services, and Number of Valves in Same, December 31, 1958.

| | DIAMETER OF PIPE IN INCHES. | | | | | | | | | | | | | | | | | Total. |
|--|-----------------------------|--------|-------|--------|--------|--------|---------|---------|-----------|---------|-----------|---------|--------|--------|-------|-----------|--------|--------|
| | 48 | 42 | 40 | 40 | 36 | 30 | 24 | 20 | 20 | 16 | 12 | 10 | 8 | 6 | 4 | 3 | 2 | Total. |
| Length owned and operated December 31, 1957..... | 55,595 | 16,191 | 9,599 | 30,238 | 75,205 | 89,675 | 108,223 | 380,499 | 1,834,483 | 446,984 | 1,366,896 | 917,808 | 62,734 | 11,904 | 6,311 | 5,412,345 | | |
| Gate valves in same..... | 26 | 4 | 5 | 31 | 50 | 78 | 72 | 791 | 5,300 | 1,571 | 5,004 | 3,034 | 551 | 18 | 18 | 18 | 16,533 | |
| Air valves in same..... | 60 | 5 | 10 | 35 | 113 | 85 | 53 | 105 | 65 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 538 | |
| Blowoffs in same..... | 11 | 5 | 6 | 11 | 33 | 37 | 52 | 77 | 166 | 40 | 203 | 141 | 67 | 9 | 9 | 9 | 857 | |
| Lengths laid and relaid during 1958..... | | | | | | | | | | | | | | | | | 17,811 | |
| Gate valves in same..... | | | | | | | | | | | | | | | | | 35 | |
| Air valves in same..... | | | | | | | | | | | | | | | | | 5,847 | |
| Blowoffs in same..... | | | | | | | | | | | | | | | | | 8 | |
| Lengths abandoned in 1958 | | | | | | | | | | | | | | | | | | |
| Gates abandoned in 1958..... | | | | | | | | | | | | | | | | | | |
| Air valves abandoned in 1958..... | | | | | | | | | | | | | | | | | | |
| Blowoffs abandoned in 1958..... | | | | | | | | | | | | | | | | | | |
| Length owned and operated December 31, 1958, including high pressure fire service..... | 55,595 | 16,191 | 9,599 | 30,238 | 75,205 | 89,675 | 108,223 | 380,499 | 1,865,189 | 446,984 | 1,381,113 | 914,549 | 62,734 | 11,904 | 6,311 | 5,454,309 | | |
| Gate valves in same..... | 26 | 4 | 5 | 31 | 50 | 78 | 72 | 791 | 5,302 | 1,570 | 5,026 | 3,039 | 550 | 18 | 18 | 18 | 16,580 | |
| Air valves in same..... | 60 | 5 | 10 | 35 | 113 | 85 | 53 | 105 | 65 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 538 | |
| Blowoffs in same..... | 11 | 5 | 6 | 11 | 33 | 37 | 52 | 77 | 166 | 40 | 203 | 141 | 67 | 9 | 9 | 9 | 857 | |
| High pressure fire service — length..... | | | | | | | | | | | | | | | | | 98,849 | |

TABLE NO. II.
Total Number of Hydrants in System, December 31, 1958.

| HYDRANTS | Lowry | Boston Lowry | Boston Post | Ordinary Post | Batchelder and Finneran Post | Ludlow Post | Chapman Post | Darling Post | Matthews Post | Boston Hydrant | Mueller Post | A. P. Smith Post | Total |
|----------------------------------|-------|--------------|-------------|---------------|------------------------------|-------------|--------------|--------------|---------------|----------------|--------------|------------------|--------|
| Public, December 31, 1957..... | 438 | 241 | 2,080 | 1,994 | 6,788 | 2 | .... | 5 | ... | 91 | 7 | .... | 11,646 |
| Private, December 31, 1957..... | 33 | 5 | 29 | 126 | 17 | 13 | 56 | ... | 4 | 111 | .... | .... | 394 |
| Added during 1958..... | .... | .... | .... | .... | 55 | .... | .... | 2 | .... | .... | 7 | 51 | 115 |
| Abandoned during 1958..... | 7 | .... | 17 | 49 | 10 | .... | .... | .... | .... | 16 | .... | .... | 99 |
| Total Public, December 31, 1958 | 431 | 241 | 2,063 | 1,945 | 6,833 | 2 | .... | 7 | ... | 75 | 14 | 51 | 11,662 |
| Total Private, December 31, 1958 | 33 | 5 | 29 | 126 | 17 | 13 | 56 | ... | 4 | 111 | .... | .... | 394 |

Total hydrants in service, December 31, 1957 12,040
 Total hydrants added during 1958 115
 Total hydrants abandoned during 1958 99
 Total hydrants in service, December 31, 1958 12,056
 High pressure fire hydrants in service, 1958 503
 Total hydrants (all kinds) in service, December 31, 1958 12,559

TABLE NO. III.
Cost of Replacement of Main Pipe, 1958.

| WARD | STREET | Size (Inches) | Length (Feet) | Contract Amount (Less Junk) | Pipe Stock | Total Cost | Contractor |
|------|--------------------------|------------------|------------------|-----------------------------------|---------------|---------------|-----------------------------------|
| 1 | Border street..... | 12 W 12 | 1,169.7 | \$9,950.09 | \$10,927.38 | \$20,877.47 | R. A. Buccella & Sons, Inc. |
| 1 | Condor street..... | 12 W 12 | 905.1 | 6,879.84 | 7,206.88 | 14,086.72 | R. A. Buccella & Sons, Inc. |
| 1 | Dwight street..... | 6 W 8 | 694.0 | 5,745.80 | 2,579.00 | 8,324.80 | Z & S Construction Company |
| 3 | Gilbert place..... | 6 W 8 | 133.0 | 1,544.50 | 949.50 | 2,494.00 | Z & S Construction Company |
| 3 | Mayhew street..... | 6 W 8 | 740.0 | 5,969.15 | 3,740.00 | 9,709.15 | E. Susi & Williams |
| 7 | St. Margaret street..... | 6 W 8 | 704.0 | 2,485.74 | 3,289.00 | 5,774.74 | E. Susi & Williams |
| 7 | Burrell street..... | 6 W 8 | 480.0 | 3,478.30 | 1,980.00 | 5,458.30 | E. Susi & Williams |
| 8 | East Cottage street..... | 6 W 12 | 706.0 | 6,016.11 | 5,962.50 | 11,978.61 | E. Susi & Williams |
| 8 | Savin Hill avenue..... | 6 W 8 | 214.0 | 865.85 | 974.00 | 1,839.85 | Mystic Construction Company, Inc. |
| 13 | Meyer street..... | 6 W 8 | 101.0 | 559.74 | 378.50 | 938.24 | Roslindale Contracting Company |
| | Totals..... | | 5,846.8 | \$43,495.12 | \$37,986.76 | \$81,481.88 | |

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TABLE NO. IV.
Cost of Extension of Main Pipe, 1958

| WARD | STREET | Size (Inches) | Length (Feet) | Contract Amount | Pipe Stock | Total Cost | Contractor |
|------|----------------------|------------------|------------------|--------------------|---------------|---------------|-----------------------------|
| 1 | Border street..... | 8 | 16.1 | \$507.20 | \$444.60 | \$951.80 | R. A. Buccella & Sons, Inc. |
| 3 | Gilbert place..... | 8 | 114.0 | 630.00 | 465.00 | 1,095.00 | Z & S Construction Company |
| 4 | Children's road..... | 8 | 268.0 | | 1,198.00 | 1,198.00 | Children's Hospital |

| | | | | | | | |
|----|---------------------------------------|---|---------|-------------|-------------|-------------|-----------------------------------|
| 5 | Bay State road..... | 8 | 1,604.0 | 12,475.90 | 6,814.00 | 19,289.90 | Z & S Construction Company |
| 15 | Freeport Way..... | 8 | 438.7 | 1,743.60 | 2,385.45 | 4,129.05 | C. Russo, Inc. |
| 16 | Manor street..... | 8 | 686.0 | 1,500.30 | 2,986.00 | 4,486.30 | Mystic Construction Company, Inc. |
| 16 | St. Clare road..... | 8 | 173.0 | 384.00 | 865.50 | 1,249.50 | C. Russo, Inc. |
| 17 | Manchester street..... | 8 | 625.0 | 1,759.80 | 2,512.50 | 4,272.30 | Mystic Construction Company, Inc. |
| 17 | Ruggles place..... | 8 | 594.0 | 1,844.60 | 2,804.00 | 4,648.60 | Mystic Construction Company, Inc. |
| 18 | Beech street..... | 8 | 603.0 | 2,518.50 | 3,010.50 | 5,529.00 | Roslindale Contracting Company |
| 18 | Florian street..... | 8 | 455.8 | 1,213.50 | 2,155.30 | 3,368.80 | C. Russo, Inc. |
| 18 | Hebron street..... | 8 | 208.0 | 937.80 | 730.60 | 1,668.40 | Carriere Construction Company |
| 18 | Highfield terrace..... | 8 | 175.0 | 408.91 | 812.50 | 1,221.41 | Mystic Construction Company, Inc. |
| 18 | Mattapan street..... | 8 | 327.0 | 718.30 | 1,669.50 | 2,387.80 | Mystic Construction Company Inc.. |
| 19 | Martinwood road..... | 8 | 448.0 | 1,110.60 | 2,543.00 | 3,653.60 | Mystic Construction Company, Inc. |
| 19 | Slocum road..... | 8 | 538.0 | 1,181.40 | 2,260.00 | 3,441.40 | J. Capone |
| 20 | Aliano road..... | 6 | 512.5 | 1,572.44 | 1,438.75 | 3,011.19 | Dooley Brothers, Inc. |
| 20 | Ellswood street..... | 8 | 257.0 | 605.85 | 1,099.50 | 1,705.35 | Mystic Construction Company, Inc. |
| 20 | Linden road..... | 8 | 199.5 | 534.35 | 998.25 | 1,532.60 | Roslindale Contracting Company |
| 20 | Maplewood road..... | 8 | 359.0 | 812.30 | 1,356.50 | 2,168.80 | Roslindale Contracting Company |
| 20 | Moreland street..... | 8 | 501.0 | 1,157.05 | 2,178.50 | 3,335.55 | Roslindale Contracting Company |
| 20 | Northdale road..... | 8 | 393.0 | 821.00 | 1,735.50 | 2,556.50 | Mystic Construction Company, Inc. |
| 20 | Tobin road..... | 8 | 205.0 | 567.10 | 767.50 | 1,334.60 | Roslindale Contracting Company |
| 20 | Veterans of Foreign Wars Parkway..... | 8 | 2,233.0 | 7,534.83 | 10,965.50 | 18,500.33 | Roslindale Contracting Company |
| | | | | 11,963.6 | \$42,539.33 | \$54,196.45 | \$96,735.78 |
| | | | | Totals..... | | | |

APPENDIX H

REPORT OF THE
PUBLIC IMPROVEMENT COMMISSION

BOSTON, January 2, 1959.

HON. JOHN B. HYNES,

Mayor of Boston.

Through the Commissioner of Public Works.

DEAR MR. MAYOR:

In accordance with the provisions of Section 24, Chapter 3, of the Revised City Ordinances of 1947, the following report of the Public Improvement Commission for the year ending December 31, 1958, is respectfully submitted.

The Public Improvement Commission was established May 1, 1954, by the provisions of Section 57, Chapter 2, of the 1954 Ordinances. This Commission, consisting of the Commissioner of Public Works, the Commissioner of Real Property, and the Chairman of the Boston Traffic Commission, was assigned all of the powers and duties of the former Board of Street Commissioners, except:

- (a) Those relating to the storage and sale of inflammables, filling stations, and parking lots, which were transferred to the Committee on Licenses in the Public Safety Commission;
- (b) Those relating to the planting and removal of trees in public ways, the use of public ways for any temporary obstruction in, under, or over the same, the use of public ways for the storage and sale of merchandise, and the designating of coasting streets, which were transferred to the Commissioner of Public Works;
- (c) Those relating to the abatement of taxes, which were transferred to the Real Property Department.

Functions of the Board of Street Commissioners transferred to this Commission include the authority to lay out, widen, relocate, alter, discontinue, or rename public highways, and to order the making of specific repairs therein; to order the construction of sanitary sewers and storm drains; to take land by eminent domain for municipal purposes (except housing and

off-street parking); to permit the opening of private ways for public travel; to levy assessments for street, sidewalk, and sewer betterments; and to issue permits for the location of wire-carrying poles, conduits, pipes, tracks and similar uses of the public ways.

STREET PROGRAM

During the period covered by this report, 98 highway improvements, including the laying out of 46 new highways, the widening and relocation of 17 public ways, the making of specific repairs in 18 existing streets, the alteration of 1 public way, the discontinuance of 11 streets, and the revision of grade of 5 streets were ordered by the Public Improvement Commission.

Of particular interest in these groups are the following projects:

The improvement of Commonwealth avenue, Brighton, from Warren street to Chestnut Hill avenue, at an estimated cost of \$340,000. Last year Commonwealth avenue was reconstructed from Brighton avenue to Warren street under the Chapter 90 Program, and the improvements included in the reconstruction have been very favorably noticed. This year's project provides for continuing the divided highway concept through the construction of a new roadway to carry west-bound traffic in the section that is now a grassed reservation. The present easterly roadway is to be divided into a two-lane road for through traffic and a 22-foot-wide service road.

The improvement of Columbus avenue, Roxbury, from Roxbury Crossing to Jackson square, at an estimated cost of \$85,000. This work includes the reduction in sidewalk widths and the construction of a new type rumble strip highway divider. This section of Columbus avenue is part of a principal route through the city from Mattapan square to Park square. In the past two years the section from Mattapan square to Egleston square has been completely reconstructed and improved.

The improvement of Dorchester avenue, South Boston, from West Fourth street to Dorchester street, at an estimated cost of \$120,000. The reconstruction of this street will include the reduction of existing sidewalk widths so as to allow an additional eight feet for highway traffic.

Layouts with Construction

The following streets were ordered laid out and constructed as public ways during 1958:

Aldwin road, West Roxbury, from Washington street to Brookway road. Length, 150 feet; estimated cost, \$6,750; estimated benefit, \$3,374.59.

Altacrest road, West Roxbury, from Ansonia road approximately 285 feet southeasterly. Length, 280 feet; estimated cost, \$6,848; estimated benefit, \$3,960.

Ascent street, West Roxbury, between Keystone street and Riverview street. Length, 358 feet; estimated cost, \$12,638; estimated benefit, \$4,419.50.

Atwill road, West Roxbury, from Richwood street approximately 240 feet southwesterly. Length, 240 feet; estimated cost, \$5,000; estimated benefit, \$2,500.

Bobolink street, West Roxbury, from La Grange street to Pheasant street. Length, 380 feet; estimated cost, \$12,747; estimated benefit, \$5,730.

Bradlee street, Hyde Park, between Safford street and Tacoma street. Length, 350 feet; estimated cost, \$10,537; estimated benefit, \$5,268.

Cassnet street, Dorchester, from Dickens street approximately 160 feet northerly. Length, 160 feet; estimated cost, \$3,973; estimated benefit, \$1,781.

Child street, Hyde Park, from Gordon avenue to Chestnut street. Length, 530 feet; estimated cost, \$10,280; estimated benefit, \$5,140.

Copeland park, Roxbury, from Copeland street approximately 130 feet southeasterly. Length, 130 feet; estimated cost, \$2,187; estimated benefit, \$1,093.50.

Constitution road, Dorchester, from Faunce road approximately 280 feet southeasterly. Length, 280 feet.

Dania street, Dorchester, from Faunce road to Cookson terrace. Length, 825 feet.

Dania terrace, Dorchester, from Dania street approximately 110 feet northwesterly. Length, 110 feet.

Faunce road, Dorchester, extended in part over Crossman street, between Cookson terrace and West Selden street. Length, 560 feet.

Jamestown terrace, Dorchester, from Dania street approximately 130 feet southeasterly. Length, 130 feet.

Viking terrace, Dorchester, between Dania street and Linvale terrace. Length, 175 feet.

Estimated cost for the foregoing six streets, \$65,283; estimated benefit for the foregoing six streets, \$32,641.39.

Freeport Way, Dorchester, from Freeport street approximately 440 feet easterly. Length, 440 feet; estimated cost, \$12,320; estimated benefit, \$5,583.96.

Gilmore terrace, Roxbury, from Park street approximately 200 feet southwesterly. Length, 200 feet; estimated cost, \$7,172; estimated benefit, \$3,586.

Glencliff road, West Roxbury, from Poplar street approximately 580 feet southeasterly. Length, 580 feet; estimated cost, \$14,000; estimated benefit, \$9,456.

Glenellen road, West Roxbury (formerly Riverview street), between Northdale road and Ascent street. Length, 770 feet; estimated cost, \$26,547; estimated benefit, \$14,660.

Hallet street, Dorchester, from Hill Top street southeasterly and southwesterly, approximately 1,075 feet. Length, 1,075 feet; estimated cost, \$29,960; estimated benefit, none.

Hebron street, Hyde Park, from Mariposa street approximately 400 feet northeasterly. Length, 400 feet; estimated cost, \$11,560; estimated benefit, \$4,842.50.

Leland road, West Roxbury, extended from Haekensack road approximately 631 feet southeasterly. Length, 630 feet; estimated cost, \$17,485; estimated benefit, \$7,725.

Lodgehill road, Hyde Park, from Ruffing street to Goff street. Length, 275 feet; estimated cost, \$9,453.90; estimated benefit, \$4,726.96.

Magee street, Hyde Park, from Austin street to Lodgehill road. Length, 730 feet; estimated cost, \$21,734; estimated benefit, \$10,867.07.

Meyer street, West Roxbury, from Catherine street approximately 290 feet southwesterly. Length, 290 feet; estimated cost, \$8,259.46; estimated benefit, \$4,129.73.

Newhill place, South Boston (formerly Hill place), from East Third street approximately 150 feet southerly. Length, 150 feet; estimated cost, \$2,331; estimated benefit, \$1,166.48.

Pheasant street, West Roxbury, from approximately 30 feet northwest of Swan street to approximately 330 feet northwesterly. Length, 330 feet; estimated cost, \$10,815; estimated benefit, \$4,302.

Public Alley No. 822, Roxbury, from St. Botolph street to Public Alley No. 821. Length, 100 feet; estimated cost, \$3,000; estimated benefit, none.

Quincy place, Roxbury, from Quincy street approximately 130 feet southwesterly. Length, 130 feet; estimated cost, \$2,022; estimated benefit, \$1,011.

Ruffing street, Hyde Park, from Sherrin street to Lodgehill road. Length, 515 feet; estimated cost, \$17,875; estimated benefit, \$8,937.45.

Sherrin street, Hyde Park, from Magee street to Beech street. Length, 920 feet; estimated cost, \$28,197; estimated benefit, \$14,098.50.

Sierra road, Hyde Park (formerly Westville road), from Neponset Valley Parkway approximately 200 feet northeasterly. Length, 200 feet; estimated cost, \$6,648; estimated benefit, \$3,324.

Stimson street, West Roxbury, from Veterans of Foreign Wars Parkway approximately 220 feet easterly. Length, 220 feet; estimated cost, \$6,160; estimated benefit, none.

Tracton avenue, Hyde Park, from Tileston street approximately 130 feet westerly. Length, 130 feet; estimated cost, \$4,063; estimated benefit, \$2,031.50.

Vogel street, West Roxbury, between Ascent street and Stimson street. Length, 1,105 feet; estimated cost, \$34,252; estimated benefit, \$21,458.

Westminster street, Hyde Park, from Huntington avenue to Wood avenue. Length, 1,385 feet; estimated cost, \$42,599; estimated benefit, \$11,584.68.

Layouts Without Construction

The following streets were ordered laid out as public ways during 1958:

Atwill road, West Roxbury, from Richwood street southwesterly and southeasterly approximately 625 feet. Length, 625 feet.

Beechland street, West Roxbury, between Washington street and Beram avenue. Length, 392 feet.

Belvoir road, Dorchester, from Brandon avenue to Monticello avenue. Length, 230 feet.

Blair road, Dorchester, from Brandon avenue to Monticello avenue. Length, 205 feet.

Bow street, Hyde Park, between Dana avenue and Garfield avenue. Length, 570 feet.

Brandon avenue, Dorchester, from Monticello avenue to Mt. Vernon street. Length, 760 feet.

Garfield avenue, Hyde Park, from Newacre road approximately 110 feet east of Faraday street. Length, 110 feet.

Meyer street, West Roxbury, from Catherine street to Organ Park street. Length, 620 feet.

Monticello avenue, Dorchester, from Mt. Vernon street to Mt. Vernon street. Length, 3,015 feet.

Montpelier road, Dorchester, from Monticello avenue to Monticello avenue. Length, 870 feet.

Nottingham Path, Brighton, between Nottinghill road and Leamington road. Length, 210 feet.

Woodglen road, Hyde Park, from approximately 450 feet southeast of Washington street to Garfield street. Length, 259 feet.

Widenings and Relocations

Clinton street, Boston Proper, between North street and the John F. Fitzgerald Expressway.

D street, South Boston, at the northeasterly corner of Dorchester avenue.

Dalton street, Boston Proper, between Scotia street and Cambria street.

Dorchester avenue, South Boston, at the northeasterly corner of Old Colony avenue.

Fernwood road, West Roxbury, from Landseer street approximately 190 feet southeasterly.

Firth road, West Roxbury, at the southeasterly corner of Florence street.

Hackensack road, West Roxbury, between Hackensack court and Hackensack Circle.

Harrison avenue, Boston Proper, on the northerly side, from Dover street approximately 65 feet southwesterly.

Hill Top street, Dorchester, at the southeasterly corner of Hallet street.

Norfolk avenue, Roxbury, at the northeasterly corner of Magazine street.

Norfolk avenue, Roxbury, at the southeasterly corner of Magazine street.

Norfolk avenue, Roxbury, at the northeasterly corner of Shirley street.

Pleasantdale road, West Roxbury, on the easterly side, approximately 350 feet south of Stimson street.

Sachem street, Roxbury, at the easterly corner of Parker Hill avenue.

St. Botolph street, Roxbury, at the northerly corner of Gainsborough street.

Tyler street, Boston Proper, at the northwesterly corner of Curve street.

Willow court, Dorchester, between Boston street and Field's court. Estimated cost, \$8,728; estimated benefit, \$7,216.

Specific Repairs

Alford street, Charlestown, at Sullivan square, consisting of the extension of division islands at various locations and the construction of traffic signal protection bumpers.

Blue Hill avenue, Dorchester, at the intersection of River street (Mattapan square), consisting of the relocation and reconstruction of existing and proposed traffic divisional islands.

Broadway, South Boston, from Dorchester avenue approximately 250 feet northwesterly, consisting of the reduction in width of the northeasterly sidewalk.

Cambridge street, Charlestown, at Sullivan square, consisting of the extension of divisional island at various locations and the construction of traffic signal protection bumpers.

Chelsea street, Charlestown, at the southeasterly corner of Gray street, consisting of increasing the curb radius.

Columbia road, Dorchester, between Hamlet street and Dudley street, consisting of the installation of a fence in the existing traffic divisional island.

Columbus avenue, Roxbury, between Tremont street and Centre street, consisting of the installation of a traffic divisional island.

Columbus avenue, Roxbury, between Tremont street and Centre street, consisting of the reduction in width of existing sidewalks.

Commonwealth avenue, Brighton, between Kelton street and Chestnut Hill avenue, consisting of the relocation of the existing streetcar reservation from approximately 100 feet northeast of Kelton street to approximately 500 feet southeasterly thereof, and the reduction in width of the existing streetcar reservation from Wallingford road to Chestnut Hill avenue; the construction of a new traffic roadway adjacent to the northwesterly side of this relocated streetcar reservation and the existing streetcar reservation from Kelton street to Wallingford road; the reduction in width of the existing traffic divisional island between Kelton street and Boulevard terrace, and the construction of a new traffic divisional island from Boulevard terrace to Chestnut Hill avenue; the reduction in width of the existing service road adjacent to the northwesterly side of Commonwealth avenue from Warren street to Fidelis Way and from Washington street to Wallingford road; the widening of the existing service road from Fidelis Way to Washington street; the reduction in width of the existing sidewalks on the southeasterly side from Commonwealth terrace to Chestnut Hill avenue and on the northwesterly side from Warren street approximately 100 feet southwesterly of Fidelis Way, from Euston road to Leamington road, and from Wallingford road to Chestnut Hill avenue; and the relocation of existing roadways, sidewalks, reservation and streetcar reservation crossings at various locations.

Crehore road, West Roxbury, at the northeast intersection of West Roxbury Parkway, consisting of the relocation of the existing sidewalk.

Cummins Highway, Dorchester (Mattapan square), approximately 50 feet northwest of River street, consisting of the elimination of the crossover in the existing traffic divisional island.

Dorchester avenue, South Boston, between West Fourth street and Dorchester street, consisting of the reduction in width of existing sidewalks and the installation of traffic divisional islands at various locations.

Hancock street, Dorchester, consisting of the installation of traffic divisional islands at Pleasant street.

Harrison avenue, Boston Proper, between Dover street and Fay street, consisting of the reduction in width of the northwesterly sidewalk.

Main street, Charlestown, at Sullivan square, consisting of the extension of divisional islands at various locations and the construction of traffic signal protection bumpers.

Massachusetts avenue, Dorchester, on the southwesterly side from the Midland Division location of the New York, New Haven & Hartford Railroad to Clapp street, consisting of the reduction in width of the existing sidewalk.

Pleasant street, Dorchester, at Hancock street, consisting of the installation of traffic divisional islands.

Rutherford avenue, Charlestown, at Sullivan square, consisting of the extension of divisional islands at various locations and the construction of traffic signal protection bumpers.

Grade Revisions

Belnap road, Hyde Park, from Eastmont road to Leighton road.

Dodge road, Hyde Park, from Leighton road approximately 480 feet northwesterly.

Farwell avenue, Hyde Park, from approximately 450 feet southeast of Summit street to Milton avenue.

Joan road, Hyde Park, from Leighton road to Dodge road.

Leighton road, Hyde Park, from the northerly end of Eastmont road to the southerly end of Eastmont road.

Discontinuances

Blackstone street, Boston Proper, between North street and Clinton street.

Centre street, West Roxbury, a portion at the westerly side between Autumn street and Alaric street.

Clinton street, Boston Proper, at the northerly corner of Fulton street.

Dalton street, Boston Proper, from Scotia street to approximately 50 feet northwest of Cambria street.

Fulton street, Boston Proper, between Clinton street and the John F. Fitzgerald Expressway.

Gillette park, South Boston, a portion on the northerly side between Dorechester avenue and Granite street.

Hackensack road, West Roxbury, a portion on the westerly side between Hackensack court and Hackensack Circle.

John street, Boston Proper, between North street and Fulton street.

Public Alley No. 821, Roxbury, between Gainsborough street and Public Alley No. 822.

Safford street, Hyde Park, on the northerly and southerly sides between Huntington avenue and Bradlee street.

West Newton street, Boston Proper, from Falmouth street approximately 116 feet northerly.

Alterations

South Bay avenue, Roxbury, between Atkinson street and Moore street, consisting of alterations in the proposed construction as approved by the Mayor August 7, 1957.

SEWER PROGRAM

During the year 1958 the construction of 1.29 miles of sanitary sewer, 1.49 miles of storm sewer, 133 catch basins, and 24 drop inlets was ordered at a total estimated cost of \$256,097.25.

Estimated benefit to private property for the construction of the 1.29 miles of sanitary sewer amounted to \$36,462.71.

The following sewer easements were ordered abandoned:

Cutter road, West Roxbury, at Dow road.

Private land, West Roxbury, adjacent to Bertson avenue.

For sewerage works ordered see table on following pages.

SEWERAGE WORKS ORDERED

| STREET | Sanitary Sewer (Linear Feet) | Surface Drain (Linear Feet) | Catch Basins | Drop Inlets | Estimated Cost | Estimated Benefit |
|--|---------------------------------|--------------------------------|--------------|-------------|----------------|-------------------|
| Boston Proper | | | | | | |
| *Clinton street..... | 178 | | | | \$10,000 00 | None |
| Harrison avenue..... | | | 3 | 3 | 650 00 | None |
| *Hereford street..... | 235 | | | | 47,000 00 | None |
| Dorchester | | | | | | |
| Constitution road..... | | | 1 | | 450 00 | None |
| Dania street..... | | | 4 | | 1,900 00 | None |
| Dania terrace..... | | | 1 | | 450 00 | None |
| Faunce road..... | | 55 | 3 | | 1,500 00 | None |
| Freeport Way..... | 230 | | 4 | | 2,900 00 | \$1,500 00 |
| Freeport Way..... | 185 | | | | 3,100 00 | 1,500 00 |
| Jamestown terrace..... | | | 1 | | 630 00 | None |
| *Manechester street..... | | | 3 | 2 | 1,800 00 | None |
| *Manor street..... | 597 | 600 | 5 | | 11,000 00 | \$4,829 98 |
| Mattapan street..... | | 280 | | | 1,346 25 | None |
| *St. Clare road, from Boutwell street approx- imately 200 feet north- westerly..... | 180 | | | | 2,000 00 | \$1,500 00 |
| St. Clare road..... | | | 2 | | 1,000 00 | None |
| Savannah avenue..... | | | 3 | | 1,700 00 | None |
| Train street..... | | | 1 | 1 | 300 00 | None |
| Hyde Park | | | | | | |
| *Asheville road..... | | 510 | | | 2,310 00 | None |
| *Austin street..... | 138 | 100 | | | 1,900 00 | \$225 00 |
| *Beech street }..... | | 662 } | | | 3,334 00 | None |
| *Lodgehill road }..... | | 75 } | | | | |
| Beech street..... | | | 2 | | 1,400 00 | None |
| Bradlee street..... | | 360 | 3 | | 5,800 00 | None |
| Chestnut street..... | | 135 | 1 | | 750 00 | None |
| Child street..... | | 485 | 2 | | 5,650 00 | None |
| *Child street..... | | 88 | | | 600 00 | None |
| Child street, between Linwood street and Perkins street..... | 400 | 400 | | | 6,000 00 | \$3,000 00 |
| Dodge road..... | | | 1 | | 1,300 00 | None |
| Goff street..... | 65 | 70 | 2 | | 2,600 00 | None |
| Grew avenue..... | 1,310 | | | | 14,900 00 | None |

* Easements taken

| STREET | Sanitary Sewer (Linear Feet) | Surface Drain (Linear Feet) | Catch Basins | Drop Inlets | Estimated Cost | Estimated Benefit |
|---|---------------------------------|--------------------------------|--------------|-------------|----------------|-------------------|
| Hyde Park (Continued) | | | | | | |
| Hebron street..... | | | 2 | 1 | \$1,300 00 | None |
| Lodgehill road..... | | 165 | 2 | | 2,200 00 | None |
| *Private land, between Austin street and Stony Brook..... | 420 | 410 | | | 7,940 00 | None |
| Rosemont street..... | | | 2 | | 1,200 00 | None |
| Ruffing street..... | | | 3 | | 2,000 00 | None |
| *Sherrin street..... | 315 | 315 | | | 4,150 00 | \$2,025 00 |
| Sherrin street..... | | | 5 | | 3,000 00 | None |
| Tacoma street..... | | 110 | | | 1,500 00 | None |
| Viking terrace..... | | | 2 | | 900 00 | None |
| *Windham road..... | 285 | 285 | | | 4,000 00 | \$1,800 00 |
| Roxbury | | | | | | |
| Columbus avenue..... | | | 14 | 14 | 4,200 00 | None |
| Copeland park..... | | | 1 | | 700 00 | None |
| Norfolk avenue..... | | | | 1 | 200 00 | None |
| Parker Hill terrace..... | | | 1 | | 500 00 | None |
| Quincy place..... | | | 2 | | 700 00 | None |
| Sachem street..... | | | 1 | 1 | 300 00 | None |
| South Bay avenue..... | 450 | | 7 | | 25,000 00 | \$5,400 00 |
| South Boston | | | | | | |
| D street..... | | | 1 | | 400 00 | None |
| Newhill place..... | | | 2 | | 900 00 | None |
| West Roxbury | | | | | | |
| Altacrest road..... | | | 2 | | 750 00 | None |
| Ascent street..... | 125 | 280 | 3 | | 6,000 00 | \$700 00 |
| Atwill road..... | | | 2 | | 800 00 | None |
| Bobolink street..... | | | 2 | | 800 00 | None |
| Centre street..... | | | 1 | | 400 00 | None |
| Firth road..... | | | | 1 | 200 00 | None |
| *Florian street..... | 480 | 480 | 6 | | 11,000 00 | \$3,600 00 |
| *Florian Way..... | 290 | 290 | 2 | | 7,162 00 | 2,503 44 |
| Glencliff road..... | | | 1 | | 500 00 | None |
| Glenellen road..... | | 690 | 8 | | 10,000 00 | None |
| Gould street..... | | | 2 | | 900 00 | None |

* Easements taken

| STREET | Sanitary Sewer (Linear Feet) | Surface Drain (Linear Feet) | Catch Basins | Drop Inlets | Estimated Cost | Estimated Benefit |
|--|---------------------------------|--------------------------------|--------------|-------------|----------------|-------------------|
| West Roxbury (Continued) | | | | | | |
| *Grandview street..... | 90 | ..... | ..... | ..... | \$900 00 | None |
| *Highfield terrace..... | 160 | 1 | ..... | ..... | 990 00 | None |
| La Grange street..... | 215 | ..... | ..... | ..... | 2,150 00 | \$1,612 50 |
| Leland road..... | ..... | ..... | 1 | ..... | 400 00 | None |
| *Lyall terrace..... | 210 | 210 | ..... | ..... | 3,000 00 | \$1,350 00 |
| *Maplewood street..... | 262 | ..... | ..... | ..... | 1,400 00 | None |
| *Martinwood road..... | ..... | ..... | 2 | ..... | 795 00 | None |
| *Moreland street..... | 300 | ..... | 3 | ..... | 1,990 00 | None |
| Pheasant street..... | ..... | ..... | 2 | ..... | 800 00 | None |
| Veterans of Foreign Wars Parkway..... | 500 | ..... | ..... | ..... | 7,500 00 | \$4,916 79 |
| Vogel street..... | ..... | ..... | 8 | ..... | 3,500 00 | None |

* Easements taken

ASSESSMENTS

During the year 1958, the Highway Division of the Public Works Department sent notice of completion of 62 streets at a total cost of \$697,513.17. On this work the Public Improvement Commission levied assessments in the amount of \$277,359.15.

During the same period, the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in 11 streets at a cost of \$64,984.14, on which the Public Improvement Commission levied assessments in the amount of \$27,672.

The completion of new sidewalks in one street at a cost of \$11,291.46, authorized by the Boston City Council, was also reported by the Highway Division. On this the Public Improvement Commission levied an assessment of \$5,234.25.

STREET ASSESSMENTS

| STREET | District | Cost | Assessment |
|----------------------|--------------|-------------|------------|
| Ascent street..... | West Roxbury | \$12,559 84 | \$2,702 50 |
| Asheville road..... | Hyde Park | 12,208 85 | 4,807 51 |
| Beachview road..... | East Boston | 25,483 24 | 5,711 16 |
| Burley street..... | West Roxbury | 17,630 42 | 4,890 00 |
| Byrd avenue..... | West Roxbury | 15,322 47 | 6,985 00 |
| Capital street..... | West Roxbury | 12,099 68 | 4,451 00 |
| Claron street..... | West Roxbury | 8,836 20 | 4,330 00 |
| Coffey street..... | Dorchester | 11,457 76 | 5,239 00 |
| Crestwood park..... | Roxbury | 9,184 32 | 1,970 55 |
| Crockers Lane..... | West Roxbury | 16,632 20 | 6,259 09 |
| Cutler court..... | South Boston | 1,836 27 | 936 86 |
| Dalin place..... | Roxbury | 4,067 28 | 1,816 05 |
| Daniel court..... | Hyde Park | 3,446 27 | 2,139 76 |
| Derry road..... | Hyde Park | 13,629 39 | 6,843 50 |
| DeStefano road..... | West Roxbury | 11,026 89 | 5,458 60 |
| Dietz court..... | Hyde Park | 3,356 16 | 1,797 50 |
| Dietz road..... | Hyde Park | 34,846 55 | 12,782 50 |
| Dodge road..... | Hyde Park | 6,097 51 | 2,354 50 |
| Dudley terracee..... | Dorchester | 2,656 80 | 876 00 |
| Eastmont road..... | Hyde Park | 7,861 46 | 4,073 75 |
| Eatonia street..... | Brighton | 6,593 76 | 2,819 82 |

STREET ASSESSMENTS — Continued

| STREET | District | Cost | Assessment |
|--|--------------------------|-------------|------------|
| Farwell avenue..... | Hyde Park | \$12,987 62 | \$4,329 00 |
| Favre street..... | Dorchester | 8,083 77 | 3,187 00 |
| Forsyth street..... | Roxbury | 21,233 43 | 13,335 84 |
| Furbush road..... | West Roxbury | 13,501 91 | 5,387 50 |
| Graham terrace..... | West Roxbury | 5,377 04 | 1,502 00 |
| Grandview street..... | West Roxbury | 14,836 53 | 5,405 75 |
| Greenwich court..... | Roxbury | 3,724 92 | 1,207 30 |
| Greenwood Circle..... | Hyde Park | 5,937 73 | 2,650 00 |
| Hackensack road..... | West Roxbury | 13,104 19 | 2,708 98 |
| Hautevale street..... | West Roxbury | 6,628 61 | 3,101 00 |
| Huntington avenue..... | Hyde Park | 28,146 54 | 10,360 50 |
| Hutchinson street..... | Dorchester | 10,968 48 | 3,319 68 |
| June street..... | West Roxbury | 12,784 53 | 5,401 25 |
| Kardon road..... | Hyde Park | 4,399 09 | 3,919 00 |
| Kristin court..... | Hyde Park | 4,034 10 | 1,718 50 |
| Larch place..... | West Roxbury | 5,631 95 | 2,405 00 |
| Leighton road..... | Hyde Park | 31,230 76 | 12,421 50 |
| Liberty place..... | South Boston | 3,620 81 | 1,150 00 |
| Lovis street..... | South Boston | 2,957 33 | 1,021 50 |
| Margo road..... | Brighton | 28,565 28 | 14,731 00 |
| Melba Way..... | Hyde Park | 12,267 41 | 5,395 00 |
| Messinger street, between Orlando and Savannah avenue..... | Dorchester | 5,798 00 | 1,950 00 |
| Messinger street, between Brockton and Orlando..... | Dorchester | 29,392 94 | 8,986 00 |
| Meyer street..... | West Roxbury | 4,696 51 | 2,600 00 |
| Newfield street..... | West Roxbury | 13,595 85 | 6,262 50 |
| Orlando street..... | Dorchester | 10,348 64 | 3,951 00 |
| Parker Hill terrace..... | Roxbury..... | 3,966 11 | 1,170 00 |
| Rainier road..... | Dorchester and Hyde Park | 10,647 29 | 2,709 00 |
| Robken road..... | West Roxbury | 17,205 23 | 7,991 65 |
| Rosecliff terrace..... | West Roxbury | 6,318 50 | 3,107 02 |
| Rushmore street..... | Brighton | 13,148 36 | 4,108 25 |
| Safford street..... | Hyde Park | 32,877 96 | 13,474 38 |
| Savannah avenue..... | Dorchester | 14,877 76 | 5,139 00 |
| Selwyn street..... | West Roxbury | 6,281 88 | 2,309 93 |
| Senders court..... | Hyde Park | 6,707 19 | 5,431 50 |
| Sherbrook street..... | West Roxbury | 7,604 06 | 3,076 47 |
| Spinney street..... | West Roxbury | 9,924 26 | 3,642 73 |

STREET ASSESSMENTS — Concluded

| STREET | District | Cost | Assignment |
|---------------------------|--------------|---------------------|---------------------|
| Susanna court..... | Hyde Park | \$4,127 60 | \$2,723 75 |
| West Sorrento street..... | Brighton | 7,417 38 | 1,641 27 |
| Wharton court..... | Hyde Park | 3,989 69 | 1,833 75 |
| Willow terrace..... | West Roxbury | 1,732 61 | 1,350 00 |
| Totals..... | | \$697,513 17 | \$277,359 15 |

SEWER ASSESSMENTS

| STREET | District | Cost | Assessment |
|--|--------------|--------------------|--------------------|
| Asheville road..... | Hyde Park | \$1,006 00 | \$600 00 |
| Corman road..... | Dorchester | 3,144 00 | 2,040 00 |
| Farwell avenue..... | Hyde Park | 1,766 00 | 1,324 50 |
| Gallivan Boulevard..... | Dorchester | 3,680 00 | 1,950 00 |
| Grandview street..... | West Roxbury | 9,000 00 | 5,850 00 |
| Huntington avenue..... | Hyde Park | 1,367 50 | 1,020 00 |
| Mansur street..... | West Roxbury | 6,200 00 | 4,575 00 |
| Parkway..... | West Roxbury | 1,164 00 | 750 00 |
| South Bay avenue, between Topeka and Moore..... | Roxbury | 18,672 37 | 5,400 00 |
| South Bay avenue, between Atkinson and Cummings..... | Roxbury | 18,284 27 | 3,600 00 |
| Valencia road..... | Hyde Park | 700 00 | 562 50 |
| Totals..... | | \$64,984 14 | \$27,672 00 |

SIDEWALK ASSESSMENT

| STREET | District | Cost | Assessment |
|------------------------|--------------|-------------|------------|
| Willowdean avenue..... | West Roxbury | \$11,291 46 | \$5,234 25 |

STREET NAME CHANGES

The name of the following public street was changed:
 Buena Vista street, Roxbury District, between Warren street and Walnut avenue; new name: St. Richard street.

LAND DAMAGES

On new street construction 133 claims were filed for damage to property resulting from land takings or changes in grade. On these claims, this Commission awarded damages in the amount of \$36,305.95.

During the period of this report 150 petitions from public utilities were approved for the placing and maintaining of poles for the support of wires.

Also, 65 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston as follows:

| STREET | Petitioner | Nature of Petition |
|--|---|-----------------------|
| Asheville road, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Asticou road, West Roxbury | Boston Gas Company | Underground gas main |
| Baker street, West Roxbury | Boston Gas Company | Underground gas main |
| Beacon street, Boston Proper | Boston Gas Company | Underground gas main |
| Belvidere street, Boston Proper | New England Telephone & Telegraph Company | Telephone cable |
| Binney street, Roxbury | Children's Cancer Research Foundation | Underground conduit |
| Blake street, Hyde Park, at River street | Worcester Gas Light Company | Underground gas main |
| Blake street, Hyde Park, at Mariposa street | Worcester Gas Light Company | Underground gas main |
| Boutwell street, Dorchester | Boston Gas Company | Underground gas main |
| Buchanan road, West Roxbury | Boston Gas Company | Underground gas main |
| Causeway street, Boston Proper | Boston Gas Company | Underground gas main |
| Clarendon street, Boston Proper | Boston Edison Company | Underground conduit |
| Colorado street, Dorchester | Boston Gas Company | Underground gas main |
| Dale street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Dartmouth street, Boston Proper | The Commonwealth School | Pile caps |
| Davison street, Hyde Park, at Fairmount avenue | Worcester Gas Light Company | Underground gas main |
| Davison street, Hyde Park, at Arlington street | Worcester Gas Light Company | Underground gas main |
| DeSoto road, West Roxbury | Boston Gas Company | Underground gas main |
| Eagle street, East Boston | Boston Gas Company | Foundation |
| Egremont road, Brighton | Boston Gas Company | Underground gas main |
| Falmouth street, Boston Proper | Boston Edison Company | Underground conduit |
| Federal street, Boston Proper | Blue Cross-Blue Shield | Footing and caps |
| Gardner street, Brighton | Boston Gas Company | Underground gas main |
| Harrison avenue, Boston Proper | Boston Gas Company | Underground conduit |
| Hemenway street, Boston Proper | Boston Conservatory of Music | Foundation and canopy |
| Heinenway street, Boston Proper | Boston Conservatory of Music | Oil tank |
| High street, Boston Proper | Boston Edison Company | Underground conduit |
| Hudson street, Boston Proper | Boston Gas Company | Underground gas main |
| Huntington avenue, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Hyde Park avenue, West Roxbury | Boston Gas Company | Underground gas main |

| STREET | Petitioner | Nature of Petition |
|---|---------------------------------------|----------------------|
| Itasca street, Dorchester at Messinger street | Boston Gas Company | Underground gas main |
| Itasca street, Dorchester, at Croyden street | Boston Gas Company | Underground gas main |
| La Grange street, West Roxbury | Boston Gas Company | Underground gas main |
| Laurie avenue, West Roxbury | Boston Gas Company | Underground gas main |
| Locust street, Dorchester | Boston Gas Company | Underground gas main |
| Mariposa street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Mattapan street, Dorchester | Boston Gas Company | Underground gas main |
| New Haven street, West Roxbury | Boston Gas Company | Underground gas main |
| Norway street, Boston Proper | First Church of Christ Scientist | Underground conduit |
| Old Colony avenue, South Boston | V. S. H. Realty Company | Foundation |
| Peabody street, Roxbury | Children's Cancer Research Foundation | Underground conduit |
| Pheasant street, West Roxbury | Boston Gas Company | Underground gas main |
| Pierce street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Porter street, East Boston | Boston Gas Company | Underground gas main |
| Prescott street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Public Alley No. 424, Boston Proper | The Commonwealth School | Pile caps |
| Public Alley No. 442, Boston Proper | Boston Edison Company | Underground conduit |
| Rosselerin road, Dorchester | Boston Gas Company | Underground gas main |
| Savannah avenue, Dorchester | Boston Gas Company | Underground gas main |
| School street, Boston Proper | Boston Edison Company | Underground conduit |
| South street, West Roxbury | Boston Gas Company | Underground gas main |
| Southampton street, South Boston | Boston Gas Company | Underground gas main |
| Sparrow street, West Roxbury | Boston Gas Company | Underground gas main |
| Thatcher street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Tyler street, Boston Proper | Boston Edison Company | Underground conduit |
| Valley road, Dorchester | Boston Gas Company | Underground gas main |
| Victory road, Dorchester | Boston Gas Company | Underground gas main |
| Waehusett street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Webster street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| West street, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Wood avenue, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Woodard road, West Roxbury | Boston Gas Company | Underground gas main |
| Wooddale avenue, Dorchester | Boston Gas Company | Underground gas main |
| Woodland road, Hyde Park | Worcester Gas Light Company | Underground gas main |
| Woodstock street, Brighton | Governor Apartments, Inc. | Underground conduit |

PRIVATE WAYS

During the year 1958 permission was given to prepare for public travel the following private ways:

Dow road, West Roxbury, from approved portion northwesterly.

Florian Way, West Roxbury, from Florian street approximately 300 feet southerly and southwesterly.

Highfield Terrace, West Roxbury, from Highfield street approximately 150 feet northwesterly.

Manchester street, Dorchester, from a point approximately 570 feet west of Temple street approximately 300 feet easterly.

Manor street, Dorchester, from Rosselerin road to approximately 50 feet beyond Matignon road.

Maplewood street, West Roxbury, from St. Theresa avenue to Petrel street.

Martinwood street, West Roxbury, from South street to Asticou road.

Matignon road, Dorchester, between Manor street and Train street.

Moreland street, West Roxbury, from Laurie avenue to Belle avenue.

St. Clare road, Dorchester, from Boutwell street approximately 200 feet northwesterly.

Sherrin street, Hyde Park, from Austin street approximately 75 feet south of Windham road.

Windham road, Hyde Park, from Austin street to Sherrin street.

During the same period, permission was given to open for public travel the following private ways:

Corman road, Dorchester, beginning at a point approximately 350 feet north of Cummins Highway to a point approximately 680 feet northerly and northeasterly.

Desmond road, West Roxbury.

Dow road, West Roxbury, from a point approximately 70 feet southeast of Cutter road approximately 460 feet northwesterly.

Kiernan road, West Roxbury.

Lorna road, Dorchester, from Lena terrace approximately 450 feet southwesterly.

Maria Lane, West Roxbury.

Merola park, Dorchester.

Respectfully submitted,

HERMAN CARP, *Chairman*,
ROBERT P. SHEA, *Vice-Chairman*,
TIMOTHY J. O'CONNOR, *Member*.

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